

# ***HERO Program***

*Louisiana Department of Natural Resources*

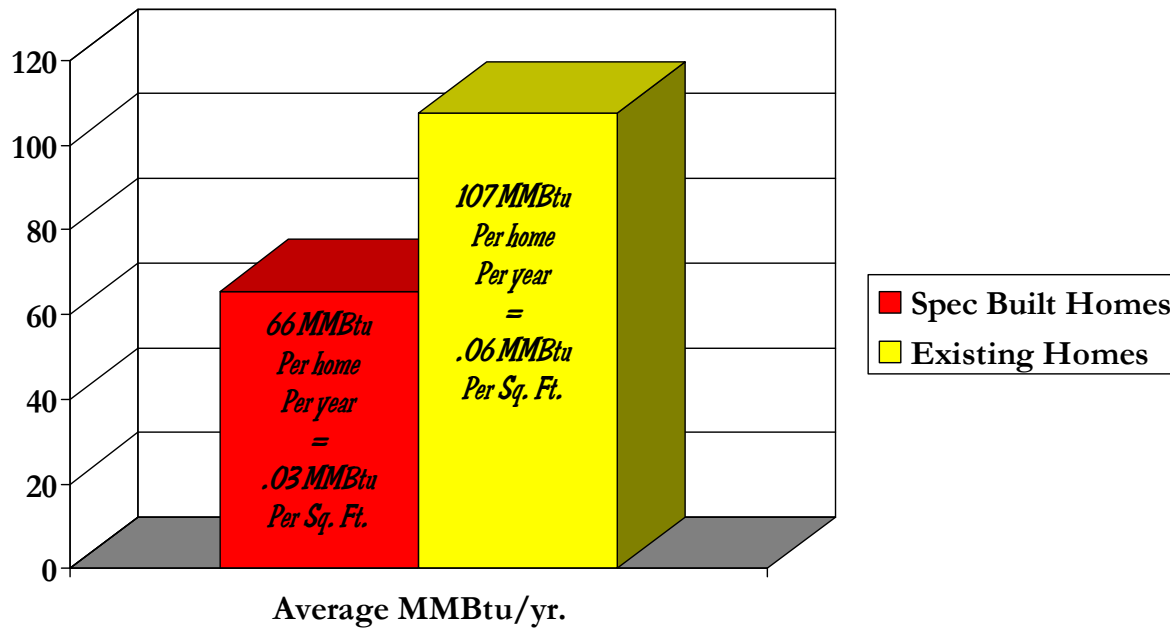
*Louisiana State  
Energy Office*



*Home Energy Rebate Option*

# *HERO Program (Currently)*

*MMBtu savings...*



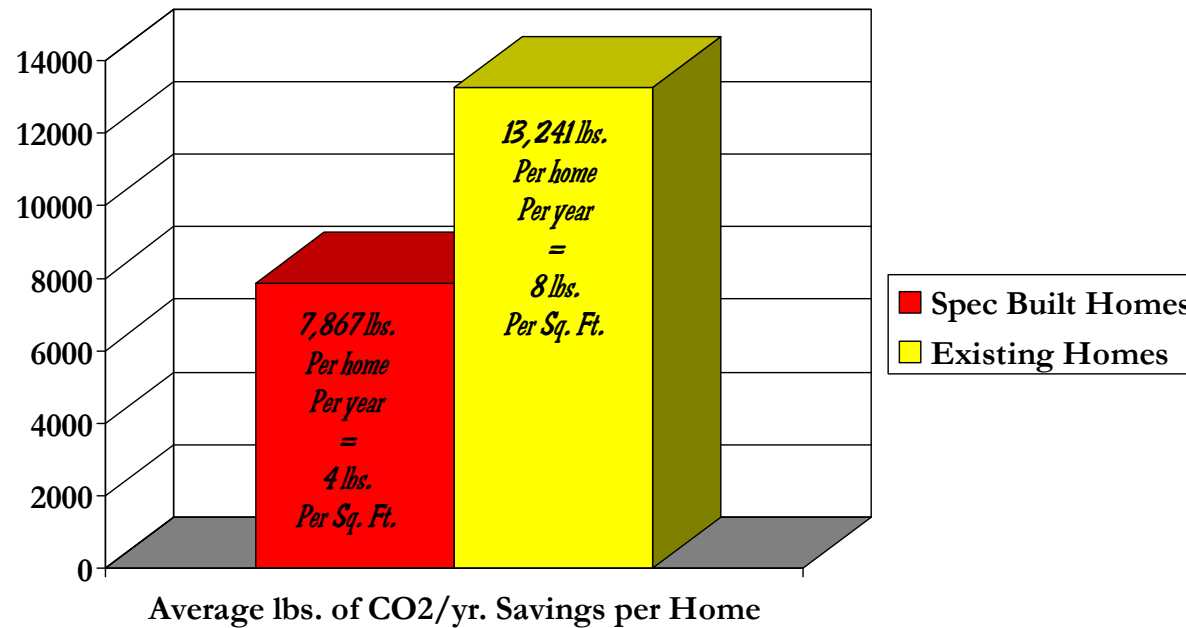
*Louisiana Department of Natural Resources*



*Home Energy Rebate Option*

# *HERO Program (Currently)*

*CO<sub>2</sub> savings...*



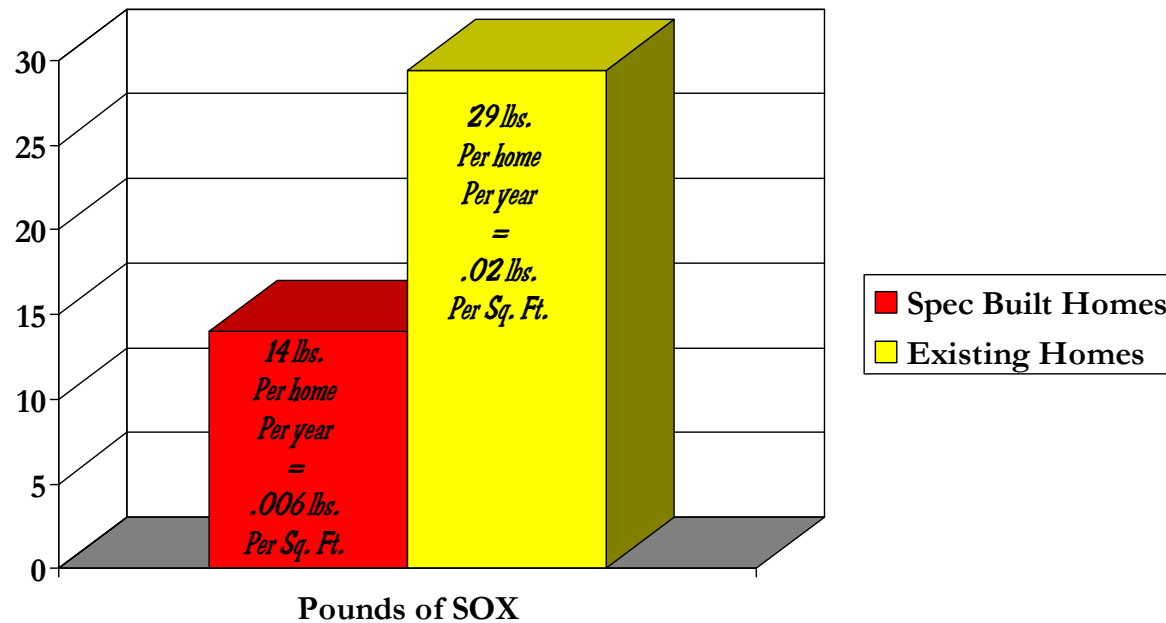
*Louisiana Department of Natural Resources*



*Home Energy Rebate Option*

# *HERO Program (Currently)*

*SO<sub>x</sub> savings...*



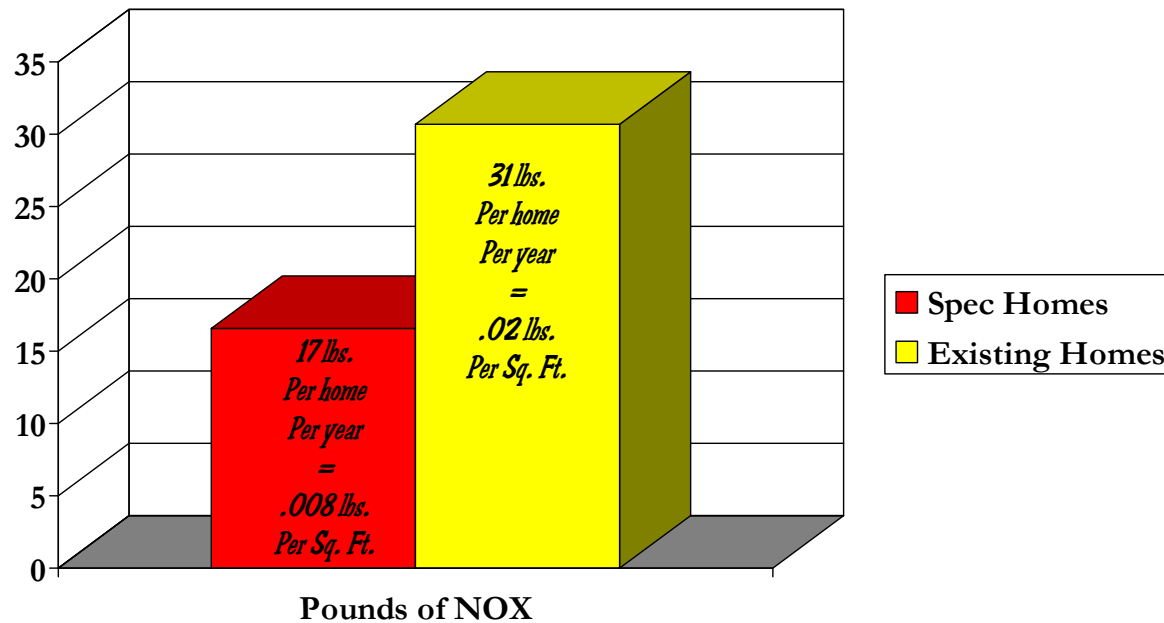
*Louisiana Department of Natural Resources*



*Home Energy Rebate Option*

# *HERO Program (Currently)*

*NO<sub>x</sub> savings...*



*Louisiana Department of Natural Resources*



*Home Energy Rebate Option*

# *HERO Program*

*Ratings are not the product...*

*The product is a comfortable,  
healthy, environmentally-friendly,  
and energy-efficient home...*

*Louisiana Department of Natural Resources*



*Home Energy Rebate Option*

# *HERO Program*

*Cost of a rating varies between...*

*\$350 and \$500 ↑*

*-depending on the size and complexity of the home-*



# ***HERO Program (Current)***

## ***Existing Homes***

*30% improvement from existing condition.*

*HERS rating required to qualify.*

*Preliminary rating must be conducted before improvements are started.*

*On Existing Homes - a preliminary rating  
**MUST** be conducted on the home as it is  
before any efficiency upgrades are made  
to the home -*

***PRIOR TO ENERGY IMPROVEMENTS  
BEING INSTALLED***







# ***HERO Program*** *(Current)*

## ***Existing Homes***

*Rebates for Existing Homes are based on  
the results of the energy improvements*

*Participants receive 20% of the lesser  
of:*

-  *The present value of the energy saved by  
the improvements over their useful lives*
-  *The cost of the improvements*

***Maximum of .... \$2,000***

*Home Energy Rebate Option*



# ***HERO Program (Expanded)***

## ***Existing Homes***

*30% improvement from existing condition.*

*HERS rating required to qualify.*

*Preliminary rating must be conducted before improvements are started.*

*On Existing Homes - a preliminary rating  
**MUST** be conducted on the home as it is  
before any efficiency upgrades are made  
to the home -*

***PRIOR TO ENERGY IMPROVEMENTS  
BEING INSTALLED***





# ***HERO Program (Expanded)***

## ***Existing Homes***

*Rebates for Existing Homes are based on the results of the energy improvements*

*Participants receive 25% of the lesser of:*

-  *The present value of the energy saved by the improvements over their useful lives*
-  *The cost of the improvements*

***Maximum of ....\$3,000***

*Home Energy Rebate Option*



# ***HERO Program (Expanded)***

## ***Small Commercial (same as Existing Home Program)***

*30% improvement from existing condition.*

*HERS rating **NOT** required in order to qualify.*

*Preliminary rating must be conducted before improvements are started.*

*On Small Commercial Properties - a preliminary rating **MUST** be conducted on the property as it is before any efficiency upgrades are made to the property -*

***PRIOR TO ENERGY IMPROVEMENTS  
BEING INSTALLED***





# ***HERO Program (Expanded)***

## ***Small Commercial***

*Rebates for Small Commercial Properties are based on the results of the energy improvements*

*Participants receive 25% of the lesser of:*

-  *The present value of the energy saved by the improvements over their useful lives*
-  *The cost of the improvements*

***Maximum of ....\$5,000***

*Home Energy Rebate Option*



# ***HERO Program (Expanded)***

## ***New Homes (re-introduced with two levels of participation)***

***HERS rating required to qualify.***

***Preliminary rating must be conducted before construction begins.***

***On New Homes - a preliminary rating **MUST** be conducted on the house plans as proposed before any construction starts on the home -***

***PRIOR TO THE SLAB BEING POURED***




# ***HERO Program (Expanded)***

## ***New Homes***

*Rebates for New Homes are based on  
the results of the **HERS** rating*

*Two Level of participation:*

 ***Builders Challenge Level (70 HERS Index)**  
**\$2,000***

 ***Federal Tax Credit Level (50% increase in HVAC efficiency  
over 2004 IRC)**  
**\$3,000***



# ***HERO Program*** *(Preliminary Documentation)*

## ***Preliminary Rating Visit:***

***On all New Homes, Existing Homes, & Small Commercial Properties***

- ☼ Conduct a full rating on the property including blower door and duct leakage test***
- ☼ Participant MUST receive, & sign a copy of the Tax Letter to give you before you leave the property (bring 2 leave 1 with homeowner)***
- ☼ Participant MUST provide a completed and signed Form W-9 (Form W-9 MUST contain the participant's phone number and parish in which the property being rated resides)***
- ☼ Obtain the name of the property's utility provider with either account number or meter number***



***Home Energy Rebate Option***



# ***HERO Program*** *(Preliminary Documentation)*

## ***Preliminary Rating Software Entry:***

*From Plans for New*

*On all New Homes, Existing Homes, & Small Commercial Properties*

- ☼ *Enter the rating data of the home/commercial property as it is into REMRate software (called Preliminary Rating....Building file labeled as: HO-NAME-PROPERTY-ADDRESS-BLGEXT)*

*EXAMPLE: johndoe123anystext, or johndoe123anystp*

- ☼ *Add improvements to the above software model into REMRate software (called Proposed Preliminary Rating....Building file labeled as: HO-NAME-PROPERTY-ADDRESS-BLGIMP)*

*EXAMPLE: johndoe123anystimp*

- ☼ *PRINT OUT: 2 building Economic Summary, & Energy Cost & Feature, Both Quick Analysis, and Form 1119 (Fill out and sign the Form 1119)*

- ☼ *SCAN: Economic Summary, Rater signed Form 1119, Signed Form W-9, & Signed Tax Letter  
Home Energy Rebate Option*



# *HERO Program (Preliminary Documentation)*

## *Preliminary Rating Software Entry:*

*Required Utility Rates*

*Louisiana Department of Natural Resources*



Louisiana Department of Natural Resources - Windows Internet Explorer

http://dnr.louisiana.gov/

File Edit View Favorites Tools Help Links Customize Links Free Hotmail Windows Windows Marketplace Windows Media

Louisiana Department of ... Welcome to Tabbed Browsing

Louisiana.gov > Department of Natural Resources

Search DNR GO

Offices

- Coastal Restoration and Management
- Conservation
- Mineral Resources
- Secretary
- Resource Finder
- About the Agency
- Hotline Numbers
- Business and Consumer Services
- Contact DNR
- Department Budget
- Events Calendar
- Links
- Newsletters
- News Releases
- Organization
- Rules
- Search
- SiteMap
- Strategic Plan
- Staff
- Teachers, Students and Kids
- Visitor Center
- Employees Only
- Employee Resource Center

Thursday, October 01, 2009

News from the Department

Office of the Secretary

- DNR hosting workshops to assist local governments in use of stimulus funds
- DNR working with non-profit to provide energy rater training
- RFP 2033-10-01 Question and Answers posted
- DNR Sec. Angelle directs funding to aid university energy efficiency
- First half of \$71 million energy stimulus plan approved
- Louisiana Department of Natural Resources releases study on initial economic impact of Haynesville Shale
- DNR Secretary Scott Angelle interview with CleanSkies.TV on role of DNR and future of energy in state and nation (37 min.)
- FY 2010 Draft Annual Plan for Atchafalaya Basin Program
- Statewide PSAs Say Build and Re-Build Efficiently

Produced by the DNR Technology Assessment Division: Listen to Radio and TV Public Service Announcements Now Being Broadcast: Radio PSA Television PSA

Mineral Resources

- September mineral lease sale brings approximately \$29,000
- August mineral lease sale brings approximately \$7.3 million
- The Online Nomination process is now operational. The procedural steps for its use are found on the Office of Mineral Resources web page in the How-To Guide. Please remember that when following the procedural steps as set forth, a separate registration for online use, apart from all other registrations already required to nominate and own State mineral leases, is necessary as a one-time step, not to be repeated when later using the online nomination process. Should any questions regarding the process become apparent in attempting to use the online nomination process, please contact Emile Fontenot, Petroleum Lands Assistant Director, at (225) 342-1080.
- Notice to Bidders: Transparencies are no longer necessary when submitting portion bids.
- Notice to Royalty Payers: Effective January 1, 2007, Act 519 of the

Secretary Scott Angelle

Featured Services

SONRIS

SONRIS Workshop

Baton Rouge, LA

Register for this one-day event!

Haynesville Shale

State Energy DATA & ANALYSIS

2009 ECONOMIC STIMULUS ACT REVIEW

http://dnr.louisiana.gov/sec/execdiv/pubinfo/newsr/2009/0504sec-angelle-cleanskies.ssi

Local intranet 100%

*Click on  
SONRIS*

*Home Energy Rebate Option*

# *HERO Program (Preliminary Documentation)*

## *Preliminary Rating Software Entry:*

### *Required Utility Rates*

*Louisiana Department of Natural Resources*



SONRIS Integrated Applications - Windows Internet Explorer

http://sonris-www.dnr.state.la.us/www\_root/sonris\_portal\_1.htm

File Edit View Favorites Tools Help Links Customize Links Free Hotmail Windows Windows Marketplace Windows Media

SONRIS Integrated Appl... Welcome to Tabbed Browsing

Louisiana.gov > Department of Natural Resources > SONRIS

DNR Home SONRIS Main Help Downloads FAQs Disclaimer Feedback About

**Database Access**

- SONRIS Lite
- Conservation
- Minerals
- General Reports
- Coastal Use Permits Inquiry
- Online Application
- CUP GIS Databases

**Document Access**

- Document Images

**GIS Access**

- Interactive Maps
- Tutorial and What's New

**Application Help**

- FAQs

**Data Reporting**

- Production Reporting
- Royalty Reporting
- Electronic Reporting

**Data Exchange**

- Procedure

**Electronic Payments**

- Procedure

**Online Nominations**

- Procedure

**Welcome to SONRIS!** This service of the Louisiana Department of Natural Resources provides free, Web-accessible information through the access method of your choice: [Database Access](#), [Document Access](#) and [GIS Access](#):

**Database Access:** retrieve online, real-time information related to oil and gas drilling/production, State mineral leases, coastal data, HERO applications, and much more, all from the DNR Oracle database using sophisticated queries. You can also view pre-built reports such as Conservation Scout Reports in Adobe Acrobat PDF format.

**SONRIS Lite**  
Database Access via HTML

Most database access users elect to use [SONRIS Lite](#), our popular, quick access method to frequently-requested information. Designed for low-bandwidth connections, this version of SONRIS Database Access uses only HTML, not Java. HTML pages created by Lite are easily printed and can be copied into Excel. Current availability includes items such as well information by serial number, well info by section/township/range, and lease ownership by lease number. Other items are being added. Support is provided for Internet Explorer 6, and previous versions as well.

**SONRIS News**

**SONRIS Workshop**  
Baton Rouge, LA  
Register for this one-day event!

COMPATIBILITY UPDATE  
Internet Explorer 7  
SONRIS

03/14/2008: With the exception of SONRIS Classic forms and portions of the Coastal Use Permitting application, all SONRIS applications are now compatible with IE7. If you have questions or require assistance, please contact the SONRIS Help Desk at (888) 792-0432 or [HelpDeskDNR@la.gov](mailto:HelpDeskDNR@la.gov).

As we progress toward compatibility in all SONRIS applications, we will keep you updated here.

**Electronic Payments**  
The electronic payment capability is provided to DNR customers in response to increasing demand and in the interest of convenience.

Done Local intranet 100%

*Click on  
SONRIS  
Lite*

*Home Energy Rebate Option*

# *HERO Program (Preliminary Documentation)*

## *Preliminary Rating Software Entry:*

### *Required Utility Rates*

*Louisiana Department of Natural Resources*



SONRIS Integrated Applications - Windows Internet Explorer

http://sonris-www.dnr.state.la.us/www\_root/sonris\_portal\_1.htm

File Edit View Favorites Tools Help Links Customize Links Free Hotmail Windows Windows Marketplace Windows Media

SONRIS Integrated Appl... Welcome to Tabbed Browsing

Louisiana.gov > Department of Natural Resources > SONRIS

DNR Home SONRIS Main Help Downloads FAQs Disclaimer Feedback About

**Database Access**

- SONRIS Lite
- Conservation
- Minerals
- General Reports
- Coastal Use Permits
- Inquiry
- Online Application
- CUP GIS Databases

**Document Access**

- Document Images

**GIS Access**

- Interactive Maps
- Tutorial and What's New

**Application Help**

- FAQs

**Data Reporting**

- Production Reporting
- Royalty Reporting
- Electronic Reporting

**Data Exchange**

- Procedure

**Electronic Payments**

- Procedure

**Online Nominations**

- Procedure

Wells by API Number

- Wells by Field ID
- Wells by Lambert Coordinates
- Wells by Lambert Coordinates - Tabular
- Wells by LUW
- Wells by Organization Name
- Wells by Parish
- Wells by Section, Township and Range
- Wells By Section, Township, Range By Parish
- Wells by Serial Number
- Wells by Specific Field / Operator
- Wells (Excluding Well Status 03,28,29,30)

**Production Information**

- Disposition by Field, Operator, Report Date
- Disposition by Operator, Date and Field
- Field Production by Parish for a Period
- Field Production by Year
- Field Production for an Organization by Month
- Monthly Parish Production for a Period
- Louisiana LUW Production by Year
- LUW Production by Month
- LUW Production By Year
- OGP Data Entry (Oil & Gas Production)
- OGP Ledger by Commingling Facility
- OGP Ledger by LUW
- Operator Oil/Gas Production for a Year
- Operator Production by Parish
- Organization Production for a Field by Month
- RSD Data Entry (Gas Disposition)
- RSD DE Disposition by Operator & Field for 3 years
- Ranking Gas Production by Field
- Ranking Gas Production by Operator
- Ranking Oil Production by Field
- Ranking Oil Production by Operator
- Statewide Monthly Production for a Year
- Yearly Production by Parish

**Injection Information**

RSD Summary Report (Group 268)

R6 Data Entry (Gasoline and/or Cycling Plant)

RC Data Entry (Import/Export)

Transporter Cross Check Listing

**Codes/Lookups**

- API Offshore Area Code Information
- Area Code Information
- Consumer Information
- District Information
- DNR Glossary
- Drip Point Information by Field
- Drip Point Information by Name
- Drip Point Information by Organization
- Facility Code Description
- Field List by Requested District & Area
- Field Listing
- Fields by Parish
- Group Code Information
- Location Codes
- LUW Information by Code Number
- LUW Type Code Information
- LUWs by Field
- LUWs by Name
- Operation Type Codes
- Organizational Mailing Address List
- Organization Information by Name
- Organization Ledger Listing-Alpha
- Organization Ledger Listing-Numeric
- Organization Type Codes
- Organizations by Parish
- Parish Information
- Product Type Code Information
- Retrieve Operator Compliance Details
- Reservoir Nomenclature Abbreviations
- Scout Report Codes and Terminology
- Well Class Type Information
- Well Status Code List

View Tract Bids

WMA Mineral Income Report

**Coastal**

- Accretion Data
- DCP and Continuous Hydrographic Data
- Discrete Hydrographic Data
- Forested Swamp Vegetation Data
- Herbaceous Marsh Vegetation Data
- Soil Properties Data
- Surface Elevation Data

**Secretary**

**Accounting Reports**

- Wildlife and Fisheries Cash Receipts

**HERO Application Status**

- Homeowner/Builder Inquiry
- Rater Inquiry

**Non-HERO Applications**

- Homeowner/Builder Inquiry

Local intranet 100%

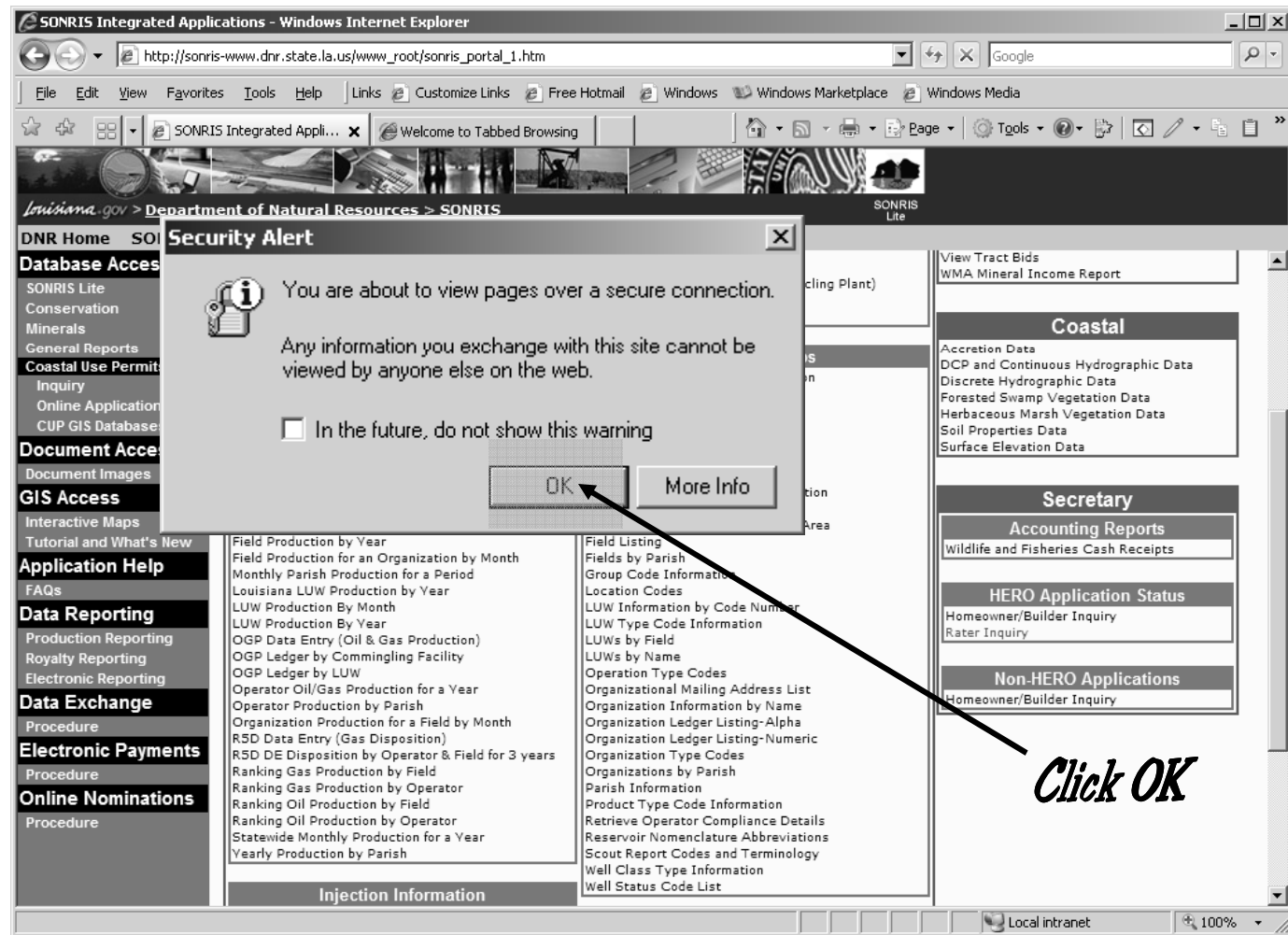
*Click Rater Inquiry*

*Home Energy Rebate Option*

# *HERO Program (Preliminary Documentation)*

## *Preliminary Rating Software Entry:*

*Required Utility Rates*



*Louisiana Department of Natural Resources*



*Home Energy Rebate Option*

# ***HERO Program*** *(Preliminary Documentation)*

## ***Preliminary Rating Software Entry:***

***Required Utility Rates***

LDNR LDNR - Windows Internet Explorer

https://sonlite.dnr.state.la.us/sundown/cart\_prod/cart\_elp\_rater\_inq

File Edit View Favorites Tools Help Links Customize Links Free Hotmail Windows Windows Marketplace Windows Media

LDNR LDNR

HERO

**LDNR HERO Applications**  
**Rater Inquiry**

Energy  
Rated  
Homes of LA

Monthly and Yearly Record Counts

• Rater Id

• Input formatted numbers. (Examples: 72-9999999 or 999-99-9999)

VeriSign Secured  
VERIFY

(1 item remaining) Waiting for https://sonlite.dnr.state.la.us/sundown/cart\_prod/cart\_elp\_rater\_inq... Unknown Zone 100%

*Louisiana Department of Natural Resources*



***Home Energy Rebate Option***

***Type in SSN  
and Click OK***

# ***HERO Program*** *(Preliminary Documentation)*

## ***Preliminary Rating Software Entry:***

***Required Utility Rates***

LDNR LDNR - Windows Internet Explorer

https://sonlite.dnr.state.la.us/sundown/cart\_PROD/cart\_elp\_rater\_dsp

File Edit View Favorites Tools Help Links Customize Links Free Hotmail Windows Windows Marketplace Windows Media

LDNR LDNR


☐ HERO

**LDNR HERO Applications**  
**Rater Inquiry**

☐ Energy Rated Homes of LA

Monthly and Yearly Record Counts

• NEWS: Average State Wide Energy Rates to be used for Ratings with Preliminaries beginning 05/01/2008 Average Electric Rates: Average Natural Gas Rates: North Louisiana = \$0.0943 per Kwh North Louisiana = \$1.631 per Ccf South Louisiana = \$0.0972 per Kwh New Orleans = \$1.436 per Ccf New Orleans = \$0.1126 per Kwh Average Propane Rate: Average Wood Rate: State Rate: = \$2.034 per gallon State Rate: = \$200.00 per cord

Customer Name	CO Number	Rated Address	Rated City	Status	Prelim Recv by DNR	Final Recv by DNR	Final Reviewed	Prelim Rating	Final Rating	Check Requested	Award Chk Date	Customer Chk Amt	Chk No.	Rater Chk Amt
														

Done Local intranet 100%

*Louisiana Department of Natural Resources*



***Home Energy Rebate Option***

### *Home Energy Rebate Option*



# HERO Program (Preliminary Documentation)



New Homes Mandatory Inspection Requirements (all of 1 thru 6 apply)																																														
#1 Duct Reqmt.	IF THE MECHANICAL SYSTEM DUCTS ARE RIGID - INSPECT FOR MASTIC SEALING IF THE MECHANICAL SYSTEM DUCTS ARE FLEX - ALSO INSPECT THAT THEY ARE RIGIDLY SECURED WITH STRAIGHT RUNS, AND NO MORE THAN A 45 DEGREE BEND, EXCEPT AT REGISTERS																																													
#2 Chase Reqmt.	IF THE MECHANICAL SYSTEM HAS A CHASE - INSPECT THAT THE CHASE HAS BEEN DRY WALLED, FLOATED, AND IF ON AN EXTERIOR WALL - INSULATED.																																													
#3 Knee Wall Reqmt.	IF THE HOME HAS ANY KNEE WALL CONSTRUCTION THAT USES A DRY BLOWN INSULATION MATERIAL - INSPECT THAT SOME TYPE OF RETAINING SHEATHING TO HOLD IN PLACE HAS BEEN INSTALLED.																																													
#4 Fire Place Opening Reqmt.	IF THE HOME HAS A FIREPLACE THAT PENETRATES THE ENVELOPE - INSPECT THAT THE CHIMNEY OPENING IN THE ATTIC HAS BEEN SEALED AND INSULATED.																																													
#5 Recessed Light Reqmt.	IF THE HOME HAS RECESSED LIGHTING FIXTURES - INSPECT THAT THE CANS ARE AIR TIGHT.																																													
#6 Attic Access Reqmt.	IF THE ATTIC ACCESS DOOR IS INSIDE THE ENVELOPE OF THE HOME - INSPECT THAT THE ACCESS HAS BEEN SEALED AND INSULATED.																																													
<b>Existing Home List of Voluntary Items for homes that replace an AC Unit with an ES required model - Must get at least 2 Upgrade Points in order to participate / Acquiring 6 Upgrade Points will = a 1 X Multiplier</b>																																														
#1 Duct Reqmt.	THE HOME OWNER WILL RECEIVE 6 UPGRADE POINTS FOR CHANGING OUT THE DUCT SYSTEM WHILE UPGRADING THE HVAC SYSTEM TO AT LEAST AN ES MIN. REQUIRED MODEL. THE NEW DUCT SYSTEM MUST MEET THE SAME DUCT REQUIREMENTS THAT ARE LISTED FOR DUCTS UNDER NEW HOMES. MEET COMPLETELY OR RECEIVE NO CREDIT																																													
#2 Chase Reqmt.	THE HOME OWNER WILL RECEIVE 3 UPGRADE POINTS FOR SEALING AND INSULATING AN EXISTING CHASE WHEN UPGRADING THE HVAC SYSTEM TO AT LEAST AN ES MIN. REQUIRED MODEL. IF THE HOME HAS NO CHASE, OR IF THE EXISTING CHASE IS ALREADY SEALED AND INSULATED, THE HOMEOWNER WILL RECEIVE NO UPGRADE POINTS IN THIS CATEGORY.																																													
#3 Knee Wall Reqmt.	THE HOME OWNER WILL RECEIVE 6 UPGRADE POINTS FOR INSULATING ALL EXISTING KNEE WALLS WHILE UPGRADING THE HVAC SYSTEM TO AT LEAST AN ES MIN. REQUIRED MODEL. THE KNEEWALL INSULATION INSTALLATION MUST MEET THE SAME KNEE WALL REQUIREMENTS THAT ARE LISTED FOR KNEE WALLS UNDER NEW HOMES. IF THE HOME HAS NO KNEE WALLS, OR IF THE EXISTING KNEE WALLS ALREADY MEET THIS REQUIREMENT, THE HOMEOWNER WILL RECEIVE NO UPGRADE POINTS IN THIS CATEGORY.																																													
#4 Fire Place Opening Reqmt.	THE HOME OWNER WILL RECEIVE 3 UPGRADE POINTS FOR SEALING AND INSULATING THE CHIMNEY OPENING IN THE ATTIC WHILE UPGRADING THE HVAC SYSTEM TO AT LEAST AN ES MIN. REQUIRED MODEL. IF THE EXISTING HOME'S FIREPLACE OPENING ALREADY MEETS THIS REQUIREMENT, OR IS OUTSIDE OF THE ENVELOPE, THE HOMEOWNER CAN RECEIVE NO UPGRADE POINTS IN THIS CATEGORY.																																													
#5 Recessed Light Reqmt.	THE HOME OWNER WILL RECEIVE 3 UPGRADE POINTS FOR MAKING ALL OF THE EXISTING RECESSED LIGHTS AIR TIGHT WHILE UPGRADING THE HVAC SYSTEM TO AT LEAST AN ES MIN. REQUIRED MODEL. IF THE EXISTING HOME HAS NO RECESSED LIGHTS, OR IF THE RECESSED LIGHTS ARE ALREADY AIR TIGHT, THE HOMEOWNER WILL RECEIVE NO UPGRADE POINTS IN THIS CATEGORY.																																													
#6 Attic Access Reqmt.	THE HOME OWNER WILL RECEIVE 3 UPGRADE POINTS FOR SEALING AND INSULATING THE ATTIC ACCESS DOOR WHILE UPGRADING THE HVAC SYSTEM TO AT LEAST AN ES MIN. REQUIRED MODEL. IF THE EXISTING HOME'S ATTIC ACCESS ALREADY MEETS THIS REQUIREMENT, OR IS OUTSIDE OF THE ENVELOPE, THE HOMEOWNER WILL RECEIVE NO UPGRADE POINTS IN THIS CATEGORY.																																													
#7 Added Attic Insul.	THE HOME OWNER WILL RECEIVE 2 UPGRADE POINTS FOR EVERY R5 INCREASE IN THE ATTIC INSULATION (TO A MIN. R30) WHILE UPGRADING THE HVAC SYSTEM TO AT LEAST AN ES MIN. REQUIRED MODEL. IF THE EXISTING HOME ALREADY HAS AN R30 VALUE OR BETTER IN THE ATTIC, THE HOMEOWNER WILL RECEIVE NO UPGRADE POINTS IN THIS CATEGORY.																																													
#8 Added Wall Insul.	THE HOME OWNER WILL RECEIVE 2 UPGRADE POINTS FOR EVERY R5 INCREASE IN THE WALL INSULATION (TO A MIN. R19) WHILE UPGRADING THE HVAC SYSTEM TO AT LEAST AN ES MIN. REQUIRED MODEL. IF THE EXISTING HOME ALREADY HAS AN R19 VALUE IN THE WALLS, THE HOMEOWNER WILL RECEIVE NO UPGRADE POINTS IN THIS CATEGORY.																																													
#9 Gas Heat Effic. Incr. or HP	THE HOME OWNER WILL RECEIVE 4 UPGRADE POINTS FOR UPGRADING THE EFFICIENCY OF THE HEATING SYSTEM TO AT LEAST AN ES MIN. REQUIRED MODEL WHILE UPGRADING THE HVAC SYSTEM TO AT LEAST AN ES MIN. REQUIRED MODEL, OR FOR REPLACING A CONVENTIONAL AC SYSTEM WITH AN ES MIN. REQUIRED HEAT PUMP. SIMPLY REPLACING THE EXISTING HEATING SYSTEM WITHOUT AN EFFICIENCY INCREASE WILL ENTITLE THE HOMEOWNER NO UPGRADE POINTS IN THIS CATEGORY.																																													
#10 HWH Effic. Increase	THE HOME OWNER WILL RECEIVE 3 UPGRADE POINTS FOR UPGRADING THE EFFICIENCY OF THE WATER HEATER TO AN ES MIN. REQUIRED WATER HEATER WHILE UPGRADING THE HVAC SYSTEM TO AT LEAST AN ES MIN. REQUIRED MODEL. SIMPLY REPLACING THE EXISTING HOT WATER HEATER WITHOUT AN EFFICIENCY INCREASE WILL ENTITLE THE HOMEOWNER TO NO UPGRADE POINT IN THIS CATEGORY.																																													
#11 Window Upgrade	THE HOME OWNER WILL RECEIVE 2 UPGRADE POINTS FOR EVERY 3 ES MIN. REQUIRED WINDOWS THAT ARE INSTALLED WHILE UPGRADING THE HVAC SYSTEM TO AT LEAST AN ES MIN. REQUIRED MODEL. IF THE REPLACEMENT WINDOWS DO NOT CARRY AN EFFICIENCY INCREASE, THE HOME OWNER WILL RECEIVE NO UPGRADE POINTS IN THIS CATEGORY.																																													
#12 Upgrade Package	WHEN UPGRADING THE HVAC SYSTEM TO AT LEAST AN ES MIN. REQUIRED MODEL, THE HOME OWNER WILL RECEIVE 2 VOLUNTARY POINTS FOR INSTALLING A PROGRAMMABLE THERMOSTAT, AND ADDING AN R8 INSULATION BLANKET ON THEIR WATER HEATER, AND REPLACING AT LEAST 2 PERMANENT LIGHTING FIXTURES WITH COMPACT FLUORESCENTS CONTROLLED BY OCCUPANCY SENSORS. IF ANY PORTION OF THIS UPGRADE IS PRE-EXISTING THE HOME OWNER CAN RECEIVE 3 UPGRADE POINTS FOR EVERY 4 CFL OCCUPANCY SENSOR COMBINATIONS AS A SUBSTITUTE.																																													
<table border="1"> <thead> <tr> <th>Mandatory Requirements</th> <th>TOTAL</th> <th>ADJ.MTL</th> </tr> </thead> <tbody> <tr> <td>Met=1 Not Met=0</td> <td>0 =</td> <td>X 0.50</td> </tr> <tr> <td>#1) Duct Reqmt. =</td> <td>1 =</td> <td>X 0.58</td> </tr> <tr> <td>#2) Chase Reqmt. =</td> <td>2 =</td> <td>X 0.67</td> </tr> <tr> <td>#3) Knee Wall Reqmt. =</td> <td>3 =</td> <td>X 0.75</td> </tr> <tr> <td>#4) Fire Place Opening Req. =</td> <td>4 =</td> <td>X 0.83</td> </tr> <tr> <td>#5) Recessed Light Reqmt. =</td> <td>5 =</td> <td>X 0.92</td> </tr> <tr> <td>#6) Attic Access Reqmt. =</td> <td>6 =</td> <td>X 1.00</td> </tr> <tr> <td>#7) Added Attic Insul. =</td> <td></td> <td></td> </tr> <tr> <td>#8) Added Wall Insul. =</td> <td></td> <td></td> </tr> <tr> <td>#9) Gas Heat Effic. Incr. or HP =</td> <td></td> <td></td> </tr> <tr> <td>#10) HWH Effic. Incr. =</td> <td></td> <td></td> </tr> <tr> <td>#11) Window Upgrade =</td> <td></td> <td></td> </tr> <tr> <td>#12) Upgrade Package =</td> <td></td> <td></td> </tr> <tr> <td>TOTAL =</td> <td></td> <td></td> </tr> </tbody> </table>		Mandatory Requirements	TOTAL	ADJ.MTL	Met=1 Not Met=0	0 =	X 0.50	#1) Duct Reqmt. =	1 =	X 0.58	#2) Chase Reqmt. =	2 =	X 0.67	#3) Knee Wall Reqmt. =	3 =	X 0.75	#4) Fire Place Opening Req. =	4 =	X 0.83	#5) Recessed Light Reqmt. =	5 =	X 0.92	#6) Attic Access Reqmt. =	6 =	X 1.00	#7) Added Attic Insul. =			#8) Added Wall Insul. =			#9) Gas Heat Effic. Incr. or HP =			#10) HWH Effic. Incr. =			#11) Window Upgrade =			#12) Upgrade Package =			TOTAL =		
Mandatory Requirements	TOTAL	ADJ.MTL																																												
Met=1 Not Met=0	0 =	X 0.50																																												
#1) Duct Reqmt. =	1 =	X 0.58																																												
#2) Chase Reqmt. =	2 =	X 0.67																																												
#3) Knee Wall Reqmt. =	3 =	X 0.75																																												
#4) Fire Place Opening Req. =	4 =	X 0.83																																												
#5) Recessed Light Reqmt. =	5 =	X 0.92																																												
#6) Attic Access Reqmt. =	6 =	X 1.00																																												
#7) Added Attic Insul. =																																														
#8) Added Wall Insul. =																																														
#9) Gas Heat Effic. Incr. or HP =																																														
#10) HWH Effic. Incr. =																																														
#11) Window Upgrade =																																														
#12) Upgrade Package =																																														
TOTAL =																																														
Note: Refer to the Energy Star Minimum Equipment List to determine an ES min. required model																																														
Note: If the existing home obtains a 30% increase in efficiency from improvement measures that are beyond those that are contributed to by a new hvac system - the home owner can by-pass the Voluntary Upgrade requirements																																														

Form 1119

# HERO Program (Preliminary Documentation)

Louisiana Department of Natural Resources



La. Dept. of Natural Resources

## Energy Rated Homes of Louisiana

certifies that the home of \_\_\_\_\_ located at:

Address \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

has been rated using the Uniform Energy Rating System.

### Rating Status

Preliminary ☐

Final ☐

New ☐

Existing ☐

(New Preliminary is from PLANS)

Current Rating

Estimated Annual Pre-Improvement Energy Costs

Rating After Improvement

Estimated Annual Post-Improvement Energy Costs

Estimated Annual Energy Savings

Actual use and cost may vary from this estimate depending on occupants use and weather conditions and utility rates in effect at the time.

Least Efficient

=<200 & >150  
★★★

=<150 & >100  
★★★★

=<100 & >85  
★★★★★

=<85 & >70  
★★★★★

=<70 & >50  
★★★★★

=<50 & >=0  
★★★★★

Most Efficient

### Suggested Improvement Recommendations

	Existing	Recommended <input type="checkbox"/>	Estimated <input type="checkbox"/>	Annual	Measure
		/ Installed <input type="checkbox"/>	/ Actual Cost <input type="checkbox"/>	Savings	Lifetime
Ceiling Insulation					
Wall Insulation					
Floor Insulation					
Windows					
Air Leakage					
Water Heater					
Duct Leakage					
Heating Equipment					
Cooling Equipment					
Other					
Total Package					

Note: The savings for each individual measure will change when combined with others. Thus, the sum of all individual savings may not equal the sum of the combined package.

#### Disclaimer:

Every effort has been made to provide accurate information on this form based on the best professional judgement as to the house energy features found on the date of the inspection. Neither this form nor any entries made on it constitute any warranty, express or implied, as to the condition or performance of energy features, the actual energy consumption, or the cost of energy for this house after that date.

FHA Certification: I certify, that to the best of my knowledge and belief, the information contained in this report is true and accurate and I understand that the information in this report may be used in connection with an application for an energy efficient mortgage to be insured by the Federal Housing Administration of the United States Department of Housing and Urban Development.

Form 1119.doc / ERHLForm1119 12/06

### Information for Lenders and Appraisers

Installed Cost of Improvements	
Weighted Life of Measures	
Present Value Discount Rate	
Present Value Factor (PVF)	
Expected Monthly Mortgage Costs	
Expected Monthly Energy Savings	
Expected Annual Energy Savings	
Expected Annual Maintenance	
Net Annual Savings (NAS)	
Energy Efficiency Premium	

Home Owner Signature \*

Energy Rater Signature:

Date of Rating:

\* Home Owner Signature required only on Finals.

Home Energy Rebate Option

*REMRate...Reports*

# *HERO Program (Preliminary Documentation)*

REM/Rate v 12.7 - kelt 116Livingston BLG IMP.blg

File Building Extras Libraries Reports Tools Options Help

Building Name:

Property Information:

Owner's Name:

Property Address:

City:

State:  Zip:

Phone Number:

Builder Information:

Builder's Name:



Builder's Address:

Builder's Email:

Phone Number:

Model Name/No:

Development Name:

Detailed New Orleans, LA 10/06/09

*Click Reports*

*Louisiana Department of Natural Resources*

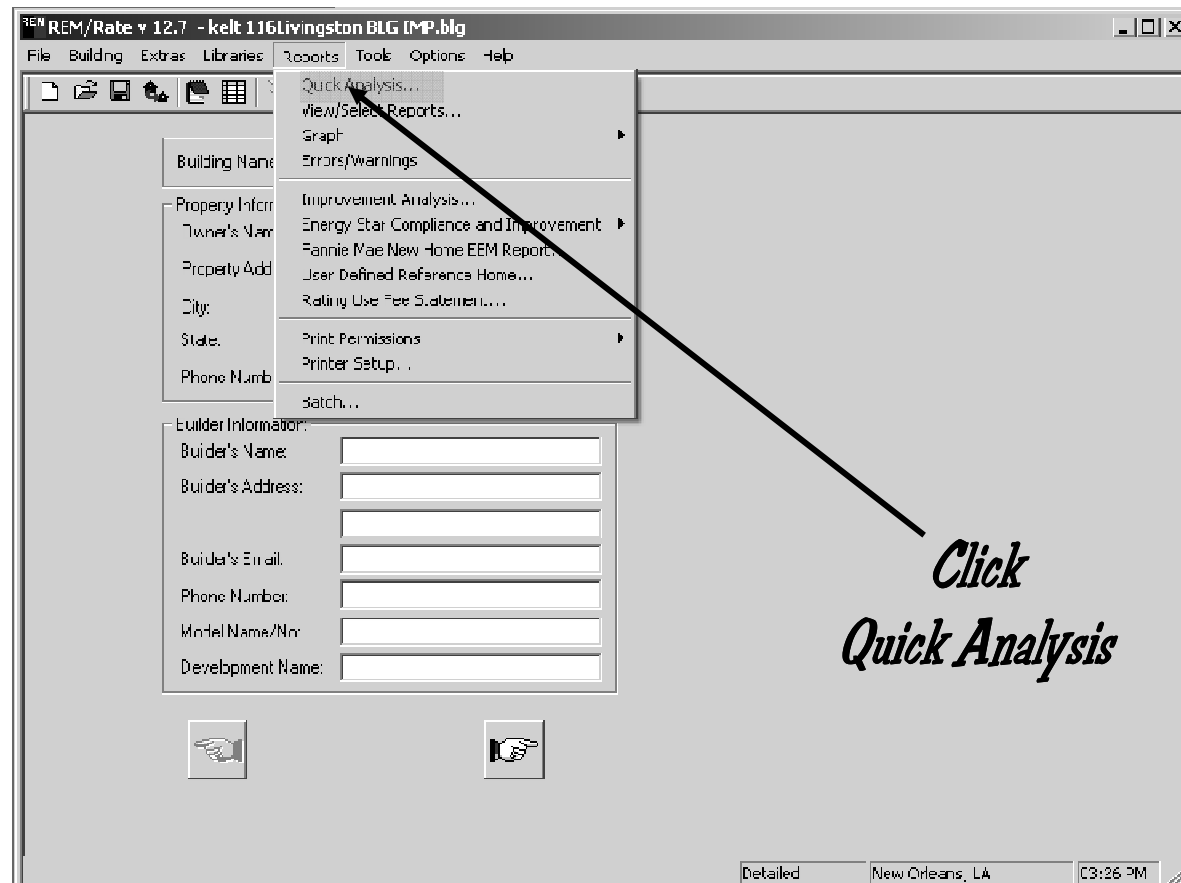


*Home Energy Rebate Option*

*REMRate...Reports*

# *HERO Program (Preliminary Documentation)*

*Louisiana Department of Natural Resources*



*Click  
Quick Analysis*



*Home Energy Rebate Option*

*REMRate...Reports*

# *HERO Program (Preliminary Documentation)*

*Louisiana Department of Natural Resources*



*Home Energy Rebate Option*

**Quick Analysis**

Energy | Surface Area | Compliance

Programs

Energy Star:	<input type="checkbox"/> Fails	HERS Index:	<input type="text" value="152"/>
Tax Credit:	<input type="checkbox"/> Fails		

Codes

IECC 2009 Energy Code:	<input type="checkbox"/> Fails	ECC of New York State:	<input type="checkbox"/> Fails
IECC 2006 Energy Code:	<input type="checkbox"/> Fails	ECC of Southern Nevada:	<input type="checkbox"/> Fails
IECC 2004 Energy Code:	<input type="checkbox"/> Fails	MEC 1995 Energy Code:	<input type="checkbox"/>
IECC 2003 Energy Code:	<input type="checkbox"/> Fails	MEC 1993 Energy Code:	<input type="checkbox"/>
IECC 2001 Energy Code:	<input type="checkbox"/> Fails	MEC 1992 Energy Code:	<input type="checkbox"/>
IECC 2000 Energy Code:	<input type="checkbox"/> Fails	ASHRAE 90.2 Code:	<input type="checkbox"/>
IECC 1998 Energy Code:	<input type="checkbox"/> Fails		

**Quick Analysis**

Energy | Surface Area | Compliance

Programs

Energy Star:	<input type="checkbox"/> Fails	HERS Index:	<input type="text" value="86"/>
Tax Credit:	<input type="checkbox"/> Fails		

Codes

IECC 2009 Energy Code:	<input type="checkbox"/> Fails	ECC of New York State:	<input type="checkbox"/> Passes
IECC 2006 Energy Code:	<input type="checkbox"/> Fails	ECC of Southern Nevada:	<input type="checkbox"/> Passes
IECC 2004 Energy Code:	<input type="checkbox"/> Fails	MEC 1995 Energy Code:	<input type="checkbox"/> Passes
IECC 2003 Energy Code:	<input type="checkbox"/> Passes	MEC 1993 Energy Code:	<input type="checkbox"/> Passes
IECC 2001 Energy Code:	<input type="checkbox"/> Passes	MEC 1992 Energy Code:	<input type="checkbox"/> Passes
IECC 2000 Energy Code:	<input type="checkbox"/> Passes	ASHRAE 90.2 Code:	<input type="checkbox"/> Passes
IECC 1998 Energy Code:	<input type="checkbox"/> Passes		

*REMRate...Reports*

# *HERO Program (Preliminary Documentation)*

*Louisiana Department of Natural Resources*

REM/Rate v 12.7 - kelt 116Livingston BLG IMP.blg

File Building Extras Libraries Reports Tools Options Help

Building Name:

Property Information:

Owner's Name:

Property Address:

City:

State:  Zip:

Phone Number:

Builder Information:

Builder's Name:

Builder's Address:

Builder's Email:

Phone Number:

Model Name/No:

Development Name:

Click Reports

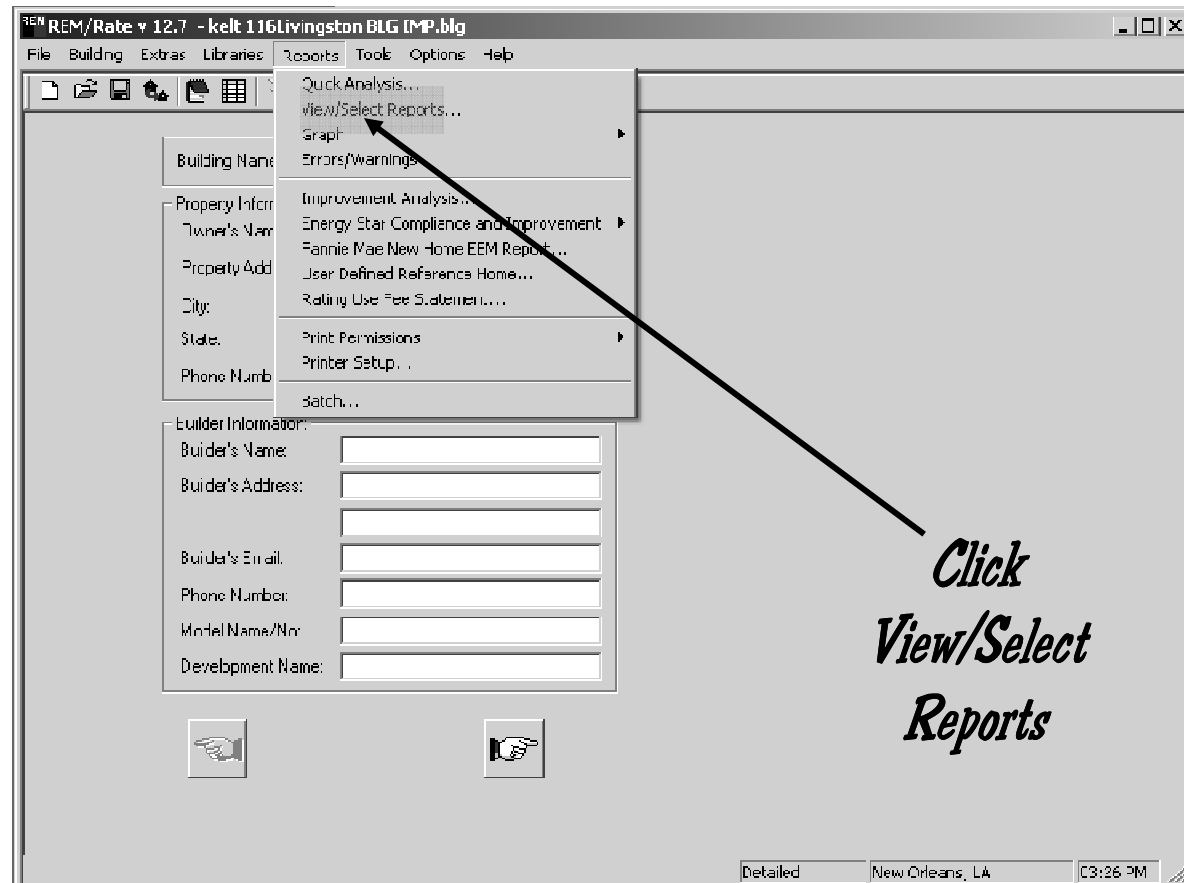
Detailed New Orleans, LA 10/06/09



*Home Energy Rebate Option*

*REMRate...Reports*

# *HERO Program (Preliminary Documentation)*



*Click  
View/Select  
Reports*

*Louisiana Department of Natural Resources*



*Home Energy Rebate Option*

*REMRate...Reports*

# ***HERO Program*** *(Preliminary Documentation)*

**Report Selection**

Group of Reports to Consider:  
All

Building Selection:  
1 Building Reports

Unselected Reports To Consider:

- Action Report (1)
- Action - Graphic (1)
- Air Leakage Report (1)
- Building File Report (1)
- Builder Affidavit (1)
- Component Loads Summary
- Component Loads - Graphic
- Comp. Consumption Summary
- Comp. Consumption - Graphic
- Component Design Loads
- Comp. Design Loads - Graphic
- Emissions Report
- Equipment Sizing Summary
- Fuel Summary
- Lighting & Appliance Summary

Add >>  
Add All >>

<< Remove  
<< Remove All

Selected Reports:  
Economic Summary (2)  
Energy Cost & Feature

Create A Group  
Delete A Group

Note: (1) = 1 Bldg Report Only

Use A Group  
OK  
Cancel  
Help

Detailed New Orleans, LA 03:26 PM

*Click  
2 Building  
Reports*

*Louisiana Department of Natural Resources*



*Home Energy Rebate Option*



*REMRate...Reports*

# *HERO Program (Preliminary Documentation)*

**Report Selection**

Group of Reports to Consider:

Unselected Reports To Consider:

- Action Report (1)
- Action - Graphic (1)
- Air Leakage Report (1)
- Building File Report (1)
- Builder Affidavit (1)
- Component Loads Summary
- Component Loads - Graph
- Comp. Consumption Summary
- Comp. Consumption - Graph
- Component Design Loads
- Comp. Design Loads - Graph
- Emissions Report
- Equipment Sizing Summary
- Fuel Summary
- Lighting & Appliance Summary

**Economic Factors**

Energy Efficiency Improvement Cost (\$):

First Year Savings:

Interest Rate (%):

Loan Term (yrs):

Present Value of Savings:

Discount Rate (%):

Fuel Escalation Rate (%):

Energy Efficiency Improvement Life (yrs):

OK Cancel Help

Note: (1) = 1 Bldg Report Only

Create A Group Delete A Group

Use A Group OK Cancel Help

Detailed New Orleans, LA 03:26 PM

*Cost of Improvements*

*Always*

*Weighted Useful  
Life Calculation*

*Louisiana Department of Natural Resources*



*Home Energy Rebate Option*

REMRate...Reports

# HERO Program (Preliminary Documentation)

## Economic Summary

### ECONOMIC SUMMARY

Date: September 29, 2009 Rating No.:  
Building Name: Rating Org.:  
Owner's Name: Phone No.:  
Property: Rater's Name:  
Address: Rater's No.:  
Builder's Name:  
Weather Site:  
File Name: Rating Type:  
Rating Date: 8-31-09

Simple Payback (yrs): 14

#### First Year Savings (\$):

Heating	381
Cooling	413
Water Heating	18
Lights & Appliances	0
Photovoltaics	0
Service Charges	0
Total	812

First Year Cost	1186
Net Saving	-373

#### Present Value of Savings (\$):

Heating	4299
Cooling	4659
Water	201
Lights & Appliances	0
Photovoltaics	0
Service Charges	0
Total	9159

Improvement Cost	11642
Net Savings	-2483

Differences	From	To
	kelt 116Livingston BLG EX	kelt 116Livingston BLG EX
Ceiling w/Attic	R-13" U=0.078	R-19 U=0.05
Frame Walls	uninsulated brick" U=0.235	R-13 brick"
Doors	1-3/4" Wd solid core U=0.329	Steel-polyu

REM/Rate - Residential Energy Analysis and Rating Software  
This information does not constitute any warranty of energy cost or savings.  
© 1985-2009 Architectural Energy Corporation, Boulder, Colorado

### ECONOMIC SUMMARY

Page 2

Windows	Single - Metal U=1.310	.49 U .62hgct*** U=0.490
Ducts	R-4.2 Attic, exposed	R-6.0 Attic, exposed
Duct Leakage	432.00 CFM @ 50 Pascals	69.00 CFM @ 50 Pascals
Mechanical Equipment List	Heating: Fuel-fired air distribution, 64.0 kBTuh, 78.0 AFUE	Heating: Fuel-fired air distribution, 64.0 kBTuh, 80.0 AFUE
	Cooling: Air conditioner, 42.0 kBTuh, 8.1 SEER	Cooling: Air conditioner, 36.0 kBTuh, 14.0 SEER
	Water Heating: Conventional, Gas, 0.55 EF	Water Heating: Conventional, Gas, 0.58 EF
Programmable Thermostat	Heat=No; Cool=No	Heat=Yes; Cool=Yes
Infiltration	Htg: 3001 Cig: 3001 CFM50	Htg: 1987 Cig: 1987 CFM50
Infil. Measure	Blower door test	Blower door test

REM/Rate - Residential Energy Analysis and Rating Software v12.7

This information does not constitute any warranty of energy cost or savings.  
© 1985-2009 Architectural Energy Corporation, Boulder, Colorado

Louisiana Department of Natural Resources



Home Energy Rebate Option

REMRate...Reports

Energy Cost & Feature Report

# HERO Program (Preliminary Documentation)

Louisiana Department of Natural Resources



Home Energy Rebate Option

ENERGY COST AND FEATURE REPORT			
Date:	September 29, 2009		Rating No.:
Building Name:			Rating Org.:
Owner's Name:			Phone No.:
Property:			Rate's Name:
Address:			Rate's No.:
Builder's Name:			Rating Type:
Weather Site:			Rating Date:
File Name:			
kelt 116Livingston BLG EX alt 116Livingston BLG IMP			
<b>ANNUAL ENERGY COSTS</b>			
Heating	\$	593	\$ 212
Cooling	\$	705	\$ 291
Water Heating	\$	291	\$ 273
Lights & Appliances	\$	551	\$ 551
Photovoltaics	\$	-0	\$ -0
Service Charges	\$	0	\$ 0
Total	\$	2140	\$ 1328
Average Monthly	\$	178	\$ 111
<b>ENERGY FEATURES</b>			
Ceiling w/Attic:	R-13" U=0.078		R-19 U=0.08
Vaulted Ceiling:	None		
Above Grade Walls:	uninsulated brick" U=0.235		R-13 brick"
Foundation Walls (Cond):	None		
Found. Walls (Uncond):	None		
Doors:	1-3/4 Wd solid core U=0.329		Steel-polyure
Windows:	Single - Metal U=1.310		49u 62shg
Frame Floors:	None		
Slab Floors:	Uninsulated U=0.365		
Infiltration:	Htg: 3001 Cfg: 3001 CFMS0		Htg: 1987 C
Infil. Measure:	Blower door test		
Mechanical Ventilation:	None		
Interior Mass:	None		
Mech Equip List:	Heating: Fuel-fired air distribution, 64.0 kBTuh, 75.0 AFUE.		Heating: Fuel kBTuh, 80.0 AFUE.
	Cooling: Air conditioner, 42.0 kBTuh, 8.1 SEER.		Cooling: Air c
	Water Heating: Conventional, Gas, 0.55 EF.		Water Heatin
Programmable Thermostat:	Heat=No; Cool=No		Heat=Yes; C
Ducts:	R-4.2 Attic, exposed		R-6.0 Attic, e
Duct Leakage:	432.00 CFM @ 50 Pascals		65.00 CFM @
Lights/Appliances:	Defaults		
REM/Rate - Residential Energy Analysis and Rating Software			
This information does not constitute any warranty of energy cost or savings.			
© 1985-2009 Architectural Energy Corporation, Boulder, Colorado			

ENERGY COST AND FEATURE REPORT	
Page 2	
Active Solar:	None
Photovoltaics:	None
Sunspace:	No
Notes: Where feature level varies in home, the dominant value is shown. Only changed features are shown for Bldg 2.	
REM/Rate - Residential Energy Analysis and Rating Software v12.7	
This information does not constitute any warranty of energy cost or savings.	
© 1985-2009 Architectural Energy Corporation, Boulder, Colorado	

***Preliminary Rating:***

### *Home Energy Rebate Option*



## Home Energy Rebate Option

# Preliminary Rating:

## Economic Summary p.1

# HERO Program (Preliminary Documentation)

ECONOMIC SUMMARY																																						
Date:	September 29, 2009	Rating No.:																																				
Building Name:		Rating Org.:																																				
Owner's Name:		Phone No.:																																				
Property:		Rater's Name:																																				
Address:		Rater's No.:																																				
Builder's Name:		Rating Type:																																				
Weather Site:	New Orleans, LA	Rating Date:																																				
File Name:																																						
<p>Simple Payback (yrs): 14</p> <p>First Year Savings (\$):</p> <table> <tr><td>Heating</td><td>381</td></tr> <tr><td>Cooling</td><td>413</td></tr> <tr><td>Water Heating</td><td>18</td></tr> <tr><td>Lights &amp; Appliances</td><td>0</td></tr> <tr><td>Photovoltaics</td><td>0</td></tr> <tr><td>Service Charges</td><td>0</td></tr> <tr><td>Total</td><td>812</td></tr> </table> <p>First Year Cost: 1186</p> <p>Net Saving: -373</p> <p>Present Value of Savings (\$):</p> <table> <tr><td>Heating</td><td>4299</td></tr> <tr><td>Cooling</td><td>4659</td></tr> <tr><td>Water</td><td>201</td></tr> <tr><td>Lights &amp; Appliances</td><td>0</td></tr> <tr><td>Photovoltaics</td><td>0</td></tr> <tr><td>Service Charges</td><td>0</td></tr> <tr><td>Total</td><td>9159</td></tr> </table> <p>Improvement Cost: 11642</p> <p>Net Savings: -2483</p> <p>Differences</p> <table> <tr> <th>From</th> <th>To</th> </tr> <tr> <td>Ceiling w/Attic</td> <td>R-13* U=0.078</td> </tr> <tr> <td>Frame Walls</td> <td>uninsulated brick* U=0.235</td> </tr> <tr> <td>Doors</td> <td>1-3/4 Wd solid core U=0.329</td> </tr> </table>			Heating	381	Cooling	413	Water Heating	18	Lights & Appliances	0	Photovoltaics	0	Service Charges	0	Total	812	Heating	4299	Cooling	4659	Water	201	Lights & Appliances	0	Photovoltaics	0	Service Charges	0	Total	9159	From	To	Ceiling w/Attic	R-13* U=0.078	Frame Walls	uninsulated brick* U=0.235	Doors	1-3/4 Wd solid core U=0.329
Heating	381																																					
Cooling	413																																					
Water Heating	18																																					
Lights & Appliances	0																																					
Photovoltaics	0																																					
Service Charges	0																																					
Total	812																																					
Heating	4299																																					
Cooling	4659																																					
Water	201																																					
Lights & Appliances	0																																					
Photovoltaics	0																																					
Service Charges	0																																					
Total	9159																																					
From	To																																					
Ceiling w/Attic	R-13* U=0.078																																					
Frame Walls	uninsulated brick* U=0.235																																					
Doors	1-3/4 Wd solid core U=0.329																																					

*Installed Cost of Improvements*

Assumptions:

Improvement Cost (\$)	\$ 11642
Interest Rate (%)	8.0
Loan Term (yrs)	20

*Always*

Assumptions:

Improvement Cost (\$)	\$ 11642
Discount Rate (%)	5.0
Fuel Escalation Rate (%)	0.0
Improvement Life (yrs)	17


*Results of Calculation*

*Energy Efficiency Premium*

# HERO Program *(Preliminary Documentation)*

## *Preliminary Rating:*

### *Economic Summary p. 2*

ECONOMIC SUMMARY		
		Page 2
Windows	Single - Metal U=1.310	.49u .62shg*** U=0.490
Ducts	R-4.2 Attic, exposed	R-6.0 Attic, exposed
Duct Leakage	432.00 CFM @ 50 Pascals	69.00 CFM @ 50 Pascals
Mechanical Equipment List	Heating: Fuel-fired air distribution, 64.0 kBtuh, 78.0 AFUE.	Heating: Fuel-fired air distribution, 64.0 kBtuh, 80.0 AFUE.
	Cooling: Air conditioner, 42.0 kBtuh, 8.1 SEER.	Cooling: Air conditioner, 36.0 kBtuh, 14.0 SEER.
	Water Heating: Conventional, Gas, 0.55 EF.	Water Heating: Conventional, Gas, 0.58 EF.
Programmable Thermostat	Heat=No; Cool=No	Heat=Yes; Cool=Yes
Infiltration	Htg: 3001 Clg: 3001 CFM50	Htg: 1987 Clg: 1987 CFM50
Infiltr. Measure	Blower door test	Blower door test

*Louisiana Department of Natural Resources*



*Home Energy Rebate Option*

# ***HERO Program*** *(Preliminary Documentation)*

***VERY IMPORTANT .....***

***The Energy Efficient Premium is the same as***

***The Cost of Energy Savings is the same as***

***The Present Value of Energy Savings***

***THEY ALL MEAN THE SAME THING.....***





*Home Energy Rebate Option*

## Preliminary Rating:

# HERO Program *(Preliminary Documentation)*

ENERGY COST AND FEATURE REPORT					
Date:	September 29, 2009		Rating No.:		
Building Name:			Rating Org.:		
Owner's Name:			Phone No.:		
Property:			Rater's Name:		
Address:			Rater's No.:		
Builder's Name:			Rating Type:	Site Visit	
Weather Site:	New Orleans, LA		Rating Date:	8-31-09	
File Name:					
			DIFF	% DIFF	
<b>ANNUAL ENERGY COSTS</b>					
Heating	\$	593	\$	212	\$ 381 64.3%
Cooling	\$	705	\$	291	\$ 413 58.6%
Water Heating	\$	291	\$	273	\$ 18 6.1%
Lights & Appliances	\$	551	\$	551	\$
Photovoltaics	\$	-0	\$	-0	\$
Service Charges	\$	0	\$	0	\$
Total	\$	2140	\$	1328	\$ 812 38.0%
Average Monthly	\$	178	\$	111	\$ 68 38.0%
<b>ENERGY FEATURES</b>					
Ceiling w/Attic:	R-13* U=0.078		R-19 U=0.061		
Vaulted Ceiling:	None				
Above Grade Walls:	uninsulated brick* U=0.235		R-13 brick*** U=0.081		
Foundation Walls (Cond):	None				
Found. Walls (Uncond):	None				
Doors:	1-3/4 Wd solid core U=0.329		Steel-polyurethane U=0.283		
Windows:	Single - Metal U=1.310		.49u .62shg*** U=0.490		
Frame Floors:	None				
Slab Floors:	Uninsulated U=0.365				
Infiltration:	Htg: 3001 Cig: 3001 CFM50		Htg: 1987 Cig: 1987 CFM50		
Infilt. Measure:	Blower door test				
Mechanical Ventilation:	None				
Interior Mass:	None				
Mech Equip List:	Heating: Fuel-fired air distribution, 64.0 kBTuh, 78.0 AFUE.		Heating: Fuel-fired air distribution, 64.0 kBTuh, 80.0 AFUE.		
	Cooling: Air conditioner, 42.0 kBTuh, 8.1 SEER.		Cooling: Air conditioner, 36.0 kBTuh, 14.0 SEER.		
	Water Heating: Conventional, Gas, 0.55 EF.		Water Heating: Conventional, Gas, 0.58 EF.		
Programmable Thermostat:	Heat=No; Cool=No		Heat=Yes; Cool=Yes		
Ducts:	R-4.2 Attic, exposed		R-6.0 Attic, exposed		
Duct Leakage:	432.00 CFM @ 50 Pascals		69.00 CFM @ 50 Pascals		
Lights/Appliances:	Defaults				

*Estimated Annual Energy Savings*

*Estimated Annual Pre-Improvement Energy Costs*

*Estimated Annual Post Improvement Energy Costs*





*Preliminary Rating:*

# *HERO Program (Preliminary Documentation)*

## ENERGY COST AND FEATURE REPORT

Page 2

Active Solar: None  
Photovoltaics: None  
Sunspace: No

Notes: Where feature level varies in home, the dominant value is shown. Only changed features are shown for Bldg 2.



Home Energy Rebate Option

Preliminary Rating:

Participant Signed Form W-9  
(only 1<sup>st</sup> page sent in)

# HERO Program (Preliminary Documentation)

<b>W-9</b> Form (Rev. October 2007) Department of the Treasury Internal Revenue Service		<b>Request for Taxpayer Identification Number and Certification</b>		Give form to the requester. Do not send to the IRS.
Print or type See Specific Instructions on page 2.	Name (as shown on your income tax return) <u>John Doe</u>			
	Business name, if different from above			
	Check appropriate box: <input type="checkbox"/> Individual/Sole proprietor <input type="checkbox"/> Corporation <input type="checkbox"/> Partnership <input type="checkbox"/> Limited liability company. Enter the tax classification (D=disregarded entity, C=corporation, P=partnership) ▶ ..... <input type="checkbox"/> Exempt payee <input type="checkbox"/> Other (see instructions) ▶			
	Address (number, street, and apt. or suite no.) <u>P.O. Box 929</u>		Requester's name and address (optional)	
	City, state, and ZIP code <u>Baton Rouge, LA 71111</u>		List account number(s) here (optional)	
<b>Part I Taxpayer Identification Number (TIN)</b>				
Enter your TIN in the appropriate box. The TIN provided must match the name given on Line 1 to avoid backup withholding. For individuals, this is your social security number (SSN). However, for a resident alien, sole proprietor, or disregarded entity, see the Part I instructions on page 3. For other entities, it is your employer identification number (EIN). If you do not have a number, see <i>How to get a TIN</i> on page 3. <b>Note.</b> If the account is in more than one name, see the chart on page 4 for guidelines on whose number to enter.				
<b>Part II Certification</b>				
Under penalties of perjury, I certify that:				
1. The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me), and 2. I am not subject to backup withholding because: (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding, and 3. I am a U.S. citizen or other U.S. person (defined below).				
<b>Certification instructions.</b> You must cross out item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For real estate transactions, item 2 does not apply. For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and generally, payments other than interest and dividends, you are not required to sign the Certification, but you must provide your correct TIN. See the instructions on page 4.				
Sign Here	Signature of U.S. person ▶ <u>John Doe</u>	Date ▶ <u>8/31/09</u>	Social security number <u>456 78 9012</u> OR Employer identification number	
<b>General Instructions</b> Section references are to the Internal Revenue Code unless otherwise noted.				
<b>Purpose of Form</b> A person who is required to file an information return with the IRS must obtain your correct taxpayer identification number (TIN) to report, for example, income paid to you, real estate transactions, mortgage interest you paid, acquisition or abandonment of secured property, cancellation of debt, or contributions you made to an IRA. Use Form W-9 only if you are a U.S. person (including a resident alien), to provide your correct TIN to the person requesting it (the requester) and, when applicable, to:				
1. Certify that the TIN you are giving is correct (or you are waiting for a number to be issued), 2. Certify that you are not subject to backup withholding, or 3. Claim exemption from backup withholding if you are a U.S. exempt payee. If applicable, you are also certifying that as a U.S. person, your allocable share of any partnership income from a U.S. trade or business is not subject to the withholding tax on foreign partners' share of effectively connected income.				
<b>Note.</b> If a requester gives you a form other than Form W-9 to request your TIN, you must use the requester's form if it is substantially similar to this Form W-9.				
<b>Definition of a U.S. person.</b> For federal tax purposes, you are considered a U.S. person if you are: • An individual who is a U.S. citizen or U.S. resident alien, • A partnership, corporation, company, or association created or organized in the United States or under the laws of the United States, • An estate (other than a foreign estate), or • A domestic trust (as defined in Regulations section 301.7701-7). <b>Special rules for partnerships.</b> Partnerships that conduct a trade or business in the United States are generally required to pay a withholding tax on any foreign partners' share of income from such business. Further, in certain cases where a Form W-9 has not been received, a partnership is required to presume that a partner is a foreign person, and pay the withholding tax. Therefore, if you are a U.S. person that is a partner in a partnership conducting a trade or business in the United States, provide Form W-9 to the partnership to establish your U.S. status and avoid withholding on your share of partnership income. The person who gives Form W-9 to the partnership for purposes of establishing its U.S. status and avoiding withholding on its allocable share of net income from the partnership conducting a trade or business in the United States is in the following cases: • The U.S. owner of a disregarded entity and not the entity,				
Cat. No. 10231X Form <b>W-9</b> (Rev. 10-2007)				
PH.# (456) 789- 0123 East Baton Rouge Parish				



*Home Energy Rebate Option*

## *Preliminary Rating:*

*Participant Signed Tax Letter  
(only signed page sent in)*

# *HERO Program (Preliminary Documentation)*

<http://dnr.louisiana.gov/sec/execdiv/techasmt/programs/residential/hero/instructions.htm>

Once your home energy rating has been submitted to the Department of Natural Resources by your rater, you can monitor the status of your application through the HERO system by going to :

[http://sonris-www.dnr.state.la.us/www\\_root/sonris\\_portal\\_1.htm](http://sonris-www.dnr.state.la.us/www_root/sonris_portal_1.htm)

clicking on the lighthouse at the top of the screen, and then clicking on "Homeowner/Builder Inquiry" and entering your social security number and last name. Please take advantage of this feature to keep yourself abreast of the status of your application through the system. By participating in this program you consent to a possible follow up rating audit within a three year period from the time of the rebate check date. You will be notified in advance, to schedule a time at your convenience, should your home be randomly selected for such an audit.

Thanks,

Buddy Justice  
Environmental Consultant  
Energy Rated Homes of Louisiana  
Louisiana Department of Natural Resources

HBJ/dkb

Enclosure

John Doe 8/31/09  
(Homeowner Signature) (Date)

123 Any St. Baton Rouge LA 70111  
(Rated Property Address) (City,) (Zip)

# HERO Program (Preliminary Documentation)

## Preliminary Rating:

HERO Cover Sheet	To: <u>louisianadnr.state.la.us</u>	Rating Name: <u>JOE RABO</u>	Rating SSN/ID# : <u>123-456-789</u>	Rating Ph. # : <u>(123) 456-7890</u>																																																												
If this Rating is a <b>PRELIMINARY</b> = <u>New Home</u> <input checked="" type="checkbox"/> <u>Existing Home</u> <input type="checkbox"/> Preliminary Score: <u>150</u> Preliminary Date: <u>8/2/09</u> Provide Scan of a Signed Tax Letter with ALL <b>PRELIMINARIES</b> <input checked="" type="checkbox"/>																																																																
If this Rating is a <b>FINAL</b> = <u>New Home</u> <input type="checkbox"/> <u>Existing Home</u> <input type="checkbox"/> Preliminary Score: <u>        </u> Preliminary Date: <u>        </u> Provide Scan of a Dated Stab Four Receipt with ALL <b>New Home FINALS</b> <input type="checkbox"/> Final Score: <u>        </u> Final Date: <u>        </u>																																																																
Home Owner: <u>John Doe</u> Home Owner SSN/ID# : <u>456-78-9012</u> Home Owner Ph.# : <u>(456) 789-0123</u>																																																																
Rated Address: <u>123 Any Street 71111</u> (Rating Property Address) (Street) (Zip) <u>Bobo Rouge</u> <u>East Bobo Rouge</u> (City) (Parish)		Rating Address: <u>P.O. Box 929 71111</u> (For Check from RP) (Street) (Zip) <u>Bobo Rouge</u> <u>East Bobo Rouge</u> (City) (Parish)																																																														
Utility Provider: <u>Entergy</u> Acct. # or (Meter #) <u>9999241</u> Rating Software: <u>Remark</u> <u>12.7</u> (Only Company Name) (Indicate One (Acct. # or Mtr. #)) (Software Name) (Version)																																																																
Software Building Files: Base: <u>JDOE123456789</u> Final: <u>JDOE123456789</u> Other: <u>        </u> (Sig. file name) (Sig. file name) (Sig. file name) (Sig. file name)																																																																
Scanned Documents (for New and Existing Homes): Form RP# : <input checked="" type="checkbox"/> Form 1119 : <input checked="" type="checkbox"/> Econ. Stmt. : <input checked="" type="checkbox"/> En. Cost & E. : <input checked="" type="checkbox"/> Receipt : <input type="checkbox"/> Cert. of Comp: <input type="checkbox"/>																																																																
<b>NEW</b> Min. Score of 85 as Final  Econ. Eff. Prem = <u>1</u> 30% of DEP <u>X</u> <u>2</u> Unadjusted Score = <u>1</u> Adjustment = <u>X</u> Adjusted HERO Score = <u>2</u>		<b>EXISTING</b> Min. 30% increase on Final  Econ. Eff. Prem = <u>9,159</u> Cost of Improvements = <u>11,642</u> Lesser of the above = <u>9,159</u> 30% of RRP or CRI <u>X</u> <u>2</u> Unadjusted Return = <u>1,231.80</u> Adjustment = <u>X 1</u> Adjusted HERO Return = <u>1,132.80</u>																																																														
<b>NEW</b> Meet ES min. equipment requirement and Inspect for all Mandatory Requirements (1-6 only) <b>EXISTING</b> If replacing AC - Must meet ES min. MFAC requirements and Inspect for Voluntary Items (1-12 / each item carries a weighted Upgrade Point value - see p.2 of Cover Sheet)																																																																
<table border="1"> <thead> <tr> <th colspan="2">Mandatory Requirements</th> <th>TOTAL</th> <th>ADJUT.</th> </tr> <tr> <th>Met=1</th> <th>Not Met=0</th> <th></th> <th></th> </tr> </thead> <tbody> <tr> <td>#1 Duct Reqt.</td> <td>=</td> <td>0 =</td> <td>X 0.50</td> </tr> <tr> <td>#2 Chase Reqt.</td> <td>=</td> <td>1 =</td> <td>X 0.98</td> </tr> <tr> <td>#3 Knee Wall Reqt.</td> <td>=</td> <td>2 =</td> <td>X 0.67</td> </tr> <tr> <td>#4 Knee Wall Reqt.</td> <td>=</td> <td>3 =</td> <td>X 0.75</td> </tr> <tr> <td>#5 Insulated Light Reqt.</td> <td>=</td> <td>4 =</td> <td>X 0.83</td> </tr> <tr> <td>#6 Attic Access Reqt.</td> <td>=</td> <td>5 =</td> <td>X 0.92</td> </tr> <tr> <td>#7 Added Attic Insul.</td> <td>=</td> <td>6 =</td> <td>X 1.00</td> </tr> <tr> <td>#8 Added Wall Insul.</td> <td>=</td> <td></td> <td></td> </tr> <tr> <td>#9 Gas Appliance Reqt. or AP</td> <td>=</td> <td></td> <td></td> </tr> <tr> <td>#10 Energy Eff. Appliance</td> <td>=</td> <td></td> <td></td> </tr> <tr> <td>#11 Window Upgrade</td> <td>=</td> <td></td> <td></td> </tr> <tr> <td>#12 Upgrade Package</td> <td>=</td> <td></td> <td></td> </tr> <tr> <td colspan="2"><b>TOTAL</b></td> <td></td> <td></td> </tr> </tbody> </table>					Mandatory Requirements		TOTAL	ADJUT.	Met=1	Not Met=0			#1 Duct Reqt.	=	0 =	X 0.50	#2 Chase Reqt.	=	1 =	X 0.98	#3 Knee Wall Reqt.	=	2 =	X 0.67	#4 Knee Wall Reqt.	=	3 =	X 0.75	#5 Insulated Light Reqt.	=	4 =	X 0.83	#6 Attic Access Reqt.	=	5 =	X 0.92	#7 Added Attic Insul.	=	6 =	X 1.00	#8 Added Wall Insul.	=			#9 Gas Appliance Reqt. or AP	=			#10 Energy Eff. Appliance	=			#11 Window Upgrade	=			#12 Upgrade Package	=			<b>TOTAL</b>			
Mandatory Requirements		TOTAL	ADJUT.																																																													
Met=1	Not Met=0																																																															
#1 Duct Reqt.	=	0 =	X 0.50																																																													
#2 Chase Reqt.	=	1 =	X 0.98																																																													
#3 Knee Wall Reqt.	=	2 =	X 0.67																																																													
#4 Knee Wall Reqt.	=	3 =	X 0.75																																																													
#5 Insulated Light Reqt.	=	4 =	X 0.83																																																													
#6 Attic Access Reqt.	=	5 =	X 0.92																																																													
#7 Added Attic Insul.	=	6 =	X 1.00																																																													
#8 Added Wall Insul.	=																																																															
#9 Gas Appliance Reqt. or AP	=																																																															
#10 Energy Eff. Appliance	=																																																															
#11 Window Upgrade	=																																																															
#12 Upgrade Package	=																																																															
<b>TOTAL</b>																																																																



# ***HERO Program*** *(Preliminary Documentation)*

## ***Preliminary Rating HERO Documentation Submittal:***

- ☼ ***Completed Preliminary HERO Cover Sheet***
- ☼ ***Completed Preliminary Form 1119***
- ☼ ***Completed Form W9 Page 1 (filled out & signed by participant)***
- ☼ ***Signed & Dated copy of signature page of Tax Letter***
- ☼ ***Economic Summary Comparison of Home AS IS to Home WITH MODELED IMPROVEMENTS***
- ☼ ***REMRate Building Files (2 bldg files)***
  - ***Home as rated = JDoe123AnyStreet-Base***
  - ***Home as modeled w/improvements = JDoe123AnyStreet-Improved***



***Home Energy Rebate Option***

# ***HERO Program*** *(Final Documentation)*

## ***Final Rating Visit:***

### ***On all New Homes***

- ☼ Participant **MUST** provide you with a copy of the slab pour receipt***
- ☼ If any information has changed on the Form W-9, the participant **MUST** provide a new completed and signed Form W-9 that includes the changes (Form W-9 **MUST** contain the participant's phone number and parish in which the property being rated resides) ....**CHANGED** on HCS if so***

### ***On all Existing Homes & Small Commercial***

- ☼ Participant **MUST** provide you with a copy of the improvement work receipts***
- ☼ If any information has changed on the Form W-9, the participant **MUST** provide a new completed and signed Form W-9 that includes the changes (Form W-9 **MUST** contain the participant's phone number and parish in which the property being rated resides) ...**CHANGED** on HCS if so***



# ***HERO Program*** *(Final Documentation)*

## ***Final Rating Software Entry:***

***On all New Homes, Existing Homes, & Small Commercial Properties***

- ☼ ***Enter the rating data of the home/commercial property as it is into REMRate software (called Final Rating....Building file labeled as: HO-NAME-PROPERTY-ADDRESS-BLGF)***

***EXAMPLE: johndoe123tulaneblgf***

- ☼ ***Add improvements to the above software model into REMRate software (called Proposed Preliminary Rating....Building file labeled as: HO-NAME-PROPERTY-ADDRESS-BLGP)***

***EXAMPLE: johndoe123tulaneblgp***

- ☼ ***PRINT OUT: 2 building Economic Summary, Form 1119 (Fill out and sign the Form 1119)***

- ☼ ***SCAN: Economic Summary, Rater signed Form 1119, Signed Form W-9***



***Home Energy Rebate Option***

## *HERO Cover Sheet*

*Louisiana Department of Natural Resources*



### *Home Energy Rebate Option*



# HERO Program (Final Documentation)

**Final Rating:**

**Form 1119**

*Louisiana Department of Natural Resources*



La. Dept. of Natural Resources

## Energy Rated Homes of Louisiana

certifies that the home of \_\_\_\_\_ located at:

Address \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

has been rated using the Uniform Energy Rating System.

### Rating Status

Preliminary ☐

Final ☐

New ☐

Existing ☐

(New Preliminary is from PLANS)

Current Rating

Estimated Annual Pre-Improvement Energy Costs

Rating After Improvement

Estimated Annual Post-Improvement Energy Costs

Estimated Annual Energy Savings

Actual use and cost may vary from this estimate depending on occupants use and weather conditions and utility rates in effect at the time.

Least Efficient

=<200 & >150  
★★★

=<150 & >100  
★★★★

=<100 & >85  
★★★★★

=<85 & >70  
★★★★★

=<70 & >50  
★★★★★

=<50 & >0  
★★★★★

Most Efficient

### Suggested Improvement Recommendations

	Existing	Recommended <input type="checkbox"/>	Estimated <input type="checkbox"/>	Annual	Measure
		/ Installed <input type="checkbox"/>	/ Actual Cost <input type="checkbox"/>	Savings	Lifetime
Ceiling Insulation					
Wall Insulation					
Floor Insulation					
Windows					
Air Leakage					
Water Heater					
Duct Leakage					
Heating Equipment					
Cooling Equipment					
Other					
Total Package					

Note: The savings for each individual measure will change when combined with others. Thus, the sum of all individual savings may not equal the sum of the combined package.

#### Disclaimer:

Every effort has been made to provide accurate information on this form based on the best professional judgement as to the house energy features found on the date of the inspection. Neither this form nor any entries made on it constitute any warranty, express or implied, as to the condition or performance of energy features, the actual energy consumption, or the cost of energy for this house after that date.

FHA Certification: I certify, that to the best of my knowledge and belief, the information contained in this report is true and accurate and I understand that the information in this report may be used in connection with an application for an energy efficient mortgage to be insured by the Federal Housing Administration of the United States Department of Housing and Urban Development.

Form 1119.doc / ERHLForm1119 12/06

### Information for Lenders and Appraisers

Installed Cost of Improvements	
Weighted Life of Measures	
Present Value Discount Rate	
Present Value Factor (PVF)	
Expected Monthly Mortgage Costs	
Expected Monthly Energy Savings	
Expected Annual Energy Savings	
Expected Annual Maintenance	
Net Annual Savings (NAS)	
Energy Efficiency Premium	

Home Owner Signature \*

Energy Rater Signature:

Date of Rating:

\* Home Owner Signature required only on Finals

**Home Energy Rebate Option**

## Final Rating:

## Economic Summary p.1



## Home Energy Rebate Option

ECONOMIC SUMMARY			
Date:	October 06, 2009	Rating No.:	
Building Name:		Rating Org.:	
Owner's Name:		Phone No.:	
Property:		Rating Name:	
Address:		Rating No.:	
Builder's Name:		Rating Type:	Site Visit
Weather Site:	New Orleans, LA	Rating Date:	10/31/09
File Name:			
Simple Payback (yrs): 0			
Final Year Savings (\$):		Assumptions:	
Heating	381	Improvement Cost (\$)	7678
Cooling	413	Interest Rate (%)	5.0
Water Heating	16	Loan Term (yrs)	20
Lights & Appliances	0		
Photovoltaics	0		
Service Charges	0		
Total	912		
First Year Cost	7678		
Net Savings	31		
Present Value of Savings (\$):		Assumptions:	
Heating	1266	Improvement Cost (\$)	7678
Cooling	1855	Discount Rate (%)	5.0
Water	201	Fuel Escalation Rate (%)	0.0
Lights & Appliances	0	Improvement Life (yrs)	17
Photovoltaics	0		
Service Charges	0		
Total	9139		
Improvement Cost	7678		
Net Savings	1463		
Differences		From	To
Ceiling w/Attic	R-13" U=0.078	R-5 U=0.061	
Frame Walls	uninsulated brick U=0.235	R-2 brick U=0.061	
Doors	1-3/4" Wd solid core U=0.329	Steel-ply reinforced U=0.283	
REM/Rate - Residential Energy Analysis and Rating Software v12.7			
This information does not constitute any warranty of energy cost or savings. © 1995-2009 Architectural Energy Corporation, Scarsdale, Colorado			

mentation)

Installed Costs of Improvements

Always

5%

0.0

17

EEP

*Final Rating:*

*Economic Summary p. 2*

*Louisiana Department of Natural Resources*



# ***HERO Program*** *(Final Documentation)*

*Home Energy Rebate Option*

# HERO Program (Final Documentation)

## Final Rating:



OF LOUISIANA  
La. Dept. of Natural Resources

### Energy Rated Homes of Louisiana

certifies that the home of John Doe located at:

123 Any Street Baton Rouge, LA 71111  
Address City State Zip

has been rated using the Uniform Energy Rating System.

Rating Status	
Preliminary	<input type="checkbox"/>
Final	<input checked="" type="checkbox"/>
New	
Existing	<input checked="" type="checkbox"/>
(New Preliminary is from PLANS)	

Current  
Rating

152

Estimated  
Annual Pre-  
Improvement  
Energy Costs

2,140

Rating After  
Improvement

86

Estimated  
Annual Post  
Improvement  
Energy Costs

1,328

Estimated  
Annual Energy  
Savings

812

Actual use and cost may vary from this estimate depending on occupants use and weather conditions and utility rates in effect at the time.

Least  
Efficient

=<200 & >150  
★★★

=<150 & >100  
★★★★

=<100 & >85  
★★★★★

=<85 & >70  
★★★★★

=<70 & >50  
★★★★★

=<50 & >=0  
★★★★★

Most  
Efficient

#### Suggested Improvement Recommendations

	Existing	Recommended <input type="checkbox"/>	Estimated <input type="checkbox"/>	Annual	Measure
		/ Installed	/ Actual Cost	Savings	Lifetime
Ceiling Insulation	R13	R19	\$431		
Wall Insulation	R0	R13	\$361		
Floor Insulation					
Windows	5/Net	.49/.62shg	\$2428		
Air Leakage					
Water Heater	.55ef	.58ef	\$256		
Duct Leakage					
Heating Equipment	78AFUE	80AFUE	\$4,200		
Cooling Equipment	8.1SEER	14SEER			
Other					
<b>Total Package</b>			<b>\$7676</b>		

Note: The savings for each individual measure will change when combined with others. Thus, the

sum of all individual savings may not equal the sum of the combined package.

Disclaimer: Every effort has been made to provide accurate information on this form based on the best professional judgement as to the house energy features found on the date of the inspection. Neither this form nor any entries made on it constitute any warranty, express or implied, as to the condition or performance of energy features, the actual energy consumption, or the cost of energy for this house after that date.

FHA Certification: I certify, that to the best of my knowledge and belief, the information contained in this report is true and accurate and I understand that the information in this report may be used in connection with an application for an energy efficient mortgage to be insured by the Federal Housing Administration of the United States Department of Housing and Urban Development.

#### Information for Lenders and Appraisers

Installed Cost of Improvements	\$7676
Weighted Life of Measures	17
Present Value Discount Rate	5%
Present Value Factor (PVF)	11.27
Expected Monthly Mortgage Costs	N/A
Expected Monthly Energy Savings	\$67.67
Expected Annual Energy Savings	\$812
Expected Annual Maintenance	N/A
Net Annual Savings (NAS)	\$812
<b>Energy Efficiency Premium</b>	<b>\$9159</b>

Home Owner Signature \* :

John Doe

Energy Rater Signature:

Joe Rater

Date of Rating:

9/30/09

\* Home Owner Signature required only on Finals



## Home Energy Rebate Option



# Final Rating:

## Energy Cost & Feature Report p.1

# HERO DR (Presentation)

ENERGY COST AND FEATURE REPORT																																																																																																																																			
Date:	October 06, 2009	Rating No.:																																																																																																																																	
Building Name:		Rating Org.:																																																																																																																																	
Owner's Name:		Phone No.:																																																																																																																																	
Property:		Rating's Name:																																																																																																																																	
Address:		Rating's No.:																																																																																																																																	
Builder's Name:		Rating Type:	Site Visit																																																																																																																																
Weather Site:	New Orleans, LA	Rating Date:	8-31-09																																																																																																																																
File Name:																																																																																																																																			
<table border="1"> <thead> <tr> <th>ANNUAL ENERGY COSTS</th> <th></th> <th></th> <th></th> <th>DIFF</th> <th>% DIFF</th> </tr> </thead> <tbody> <tr> <td>Heating</td> <td>\$</td> <td>503</td> <td>\$</td> <td>212</td> <td>\$</td> <td>381</td> <td>+64.3%</td> </tr> <tr> <td>Cooling</td> <td>\$</td> <td>705</td> <td>\$</td> <td>281</td> <td>\$</td> <td>413</td> <td>-58.6%</td> </tr> <tr> <td>Water Heating</td> <td>\$</td> <td>291</td> <td>\$</td> <td>273</td> <td>\$</td> <td>18</td> <td>6.1%</td> </tr> <tr> <td>Lights &amp; Appliances</td> <td>\$</td> <td>551</td> <td>\$</td> <td>551</td> <td>\$</td> <td></td> <td></td> </tr> <tr> <td>Photovoltaics</td> <td>\$</td> <td>-0</td> <td>\$</td> <td>-0</td> <td>\$</td> <td></td> <td></td> </tr> <tr> <td>Service Charges</td> <td>\$</td> <td>0</td> <td>\$</td> <td>0</td> <td>\$</td> <td></td> <td></td> </tr> <tr> <td>Total</td> <td>\$</td> <td>2140</td> <td>\$</td> <td>1328</td> <td>\$</td> <td>812</td> <td>-38.0%</td> </tr> <tr> <td>Average Monthly</td> <td>\$</td> <td>178</td> <td>\$</td> <td>111</td> <td>\$</td> <td>68</td> <td>-38.0%</td> </tr> </tbody> </table>						ANNUAL ENERGY COSTS				DIFF	% DIFF	Heating	\$	503	\$	212	\$	381	+64.3%	Cooling	\$	705	\$	281	\$	413	-58.6%	Water Heating	\$	291	\$	273	\$	18	6.1%	Lights & Appliances	\$	551	\$	551	\$			Photovoltaics	\$	-0	\$	-0	\$			Service Charges	\$	0	\$	0	\$			Total	\$	2140	\$	1328	\$	812	-38.0%	Average Monthly	\$	178	\$	111	\$	68	-38.0%																																																								
ANNUAL ENERGY COSTS				DIFF	% DIFF																																																																																																																														
Heating	\$	503	\$	212	\$	381	+64.3%																																																																																																																												
Cooling	\$	705	\$	281	\$	413	-58.6%																																																																																																																												
Water Heating	\$	291	\$	273	\$	18	6.1%																																																																																																																												
Lights & Appliances	\$	551	\$	551	\$																																																																																																																														
Photovoltaics	\$	-0	\$	-0	\$																																																																																																																														
Service Charges	\$	0	\$	0	\$																																																																																																																														
Total	\$	2140	\$	1328	\$	812	-38.0%																																																																																																																												
Average Monthly	\$	178	\$	111	\$	68	-38.0%																																																																																																																												
<table border="1"> <thead> <tr> <th>ENERGY FEATURES</th> <th></th> <th></th> <th></th> <th></th> <th></th> </tr> </thead> <tbody> <tr> <td>Ceiling w/Attic:</td> <td>R-15" U=0.078</td> <td></td> <td>R-19 U=0.06</td> <td></td> <td></td> </tr> <tr> <td>Vaulted Ceiling:</td> <td>None</td> <td></td> <td>R-13 brick*** U=0.081</td> <td></td> <td></td> </tr> <tr> <td>Above Grade Walls:</td> <td>uninsulated brick" U=0.235</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Foundation Walls (Cond):</td> <td>None</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Found. Walls (Uncond):</td> <td>None</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Doors:</td> <td>1-3/4 Wd solid core U=0.329</td> <td></td> <td>Steel-polyurethane U=0.283</td> <td></td> <td></td> </tr> <tr> <td>Windows:</td> <td>Single - Metal U=1.310</td> <td></td> <td>49u .62shg*** U=0.490</td> <td></td> <td></td> </tr> <tr> <td>Frame Floors:</td> <td>None</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Slab Floors:</td> <td>Uninsulated U=0.365</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Infiltration:</td> <td>Htg: 3001 Cfg: 3001 CFM50</td> <td></td> <td>Htg: 1987 Cfg: 1987 CFM50</td> <td></td> <td></td> </tr> <tr> <td>Infil. Measure:</td> <td>Blower door test</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Mechanical Ventilation:</td> <td>None</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Interior Mass:</td> <td>None</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Mech Equip List:</td> <td>Heating: Fuel-fired air distribution, 64.0 kBtu/h, 78.0 AFUE.</td> <td></td> <td>Heating: Fuel-fired air distribution, 64.0 kBtu/h, 80.0 AFUE.</td> <td></td> <td></td> </tr> <tr> <td></td> <td>Cooling: Air conditioner, 42.0 kBtu/h, 8.1 SEER</td> <td></td> <td>Cooling: Air conditioner, 36.0 kBtu/h, 14.0 SEER</td> <td></td> <td></td> </tr> <tr> <td></td> <td>Water Heating: Conventional, Gas, 0.55 EF.</td> <td></td> <td>Water Heating: Conventional, Gas, 0.58 EF.</td> <td></td> <td></td> </tr> <tr> <td>Programmable Thermostat:</td> <td>Heat=No; Cool=No</td> <td></td> <td>Heat=Yes; Cool=Yes</td> <td></td> <td></td> </tr> <tr> <td>Ducts:</td> <td>R-4.2 Attic, exposed</td> <td></td> <td>R-6.0 Attic, exposed</td> <td></td> <td></td> </tr> <tr> <td>Duct Leakage:</td> <td>432.00 CFM @ 50 Pascals</td> <td></td> <td>69.00 CFM @ 50 Pascals</td> <td></td> <td></td> </tr> <tr> <td>Lights/Appliances:</td> <td>Defaults</td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>						ENERGY FEATURES						Ceiling w/Attic:	R-15" U=0.078		R-19 U=0.06			Vaulted Ceiling:	None		R-13 brick*** U=0.081			Above Grade Walls:	uninsulated brick" U=0.235					Foundation Walls (Cond):	None					Found. Walls (Uncond):	None					Doors:	1-3/4 Wd solid core U=0.329		Steel-polyurethane U=0.283			Windows:	Single - Metal U=1.310		49u .62shg*** U=0.490			Frame Floors:	None					Slab Floors:	Uninsulated U=0.365					Infiltration:	Htg: 3001 Cfg: 3001 CFM50		Htg: 1987 Cfg: 1987 CFM50			Infil. Measure:	Blower door test					Mechanical Ventilation:	None					Interior Mass:	None					Mech Equip List:	Heating: Fuel-fired air distribution, 64.0 kBtu/h, 78.0 AFUE.		Heating: Fuel-fired air distribution, 64.0 kBtu/h, 80.0 AFUE.				Cooling: Air conditioner, 42.0 kBtu/h, 8.1 SEER		Cooling: Air conditioner, 36.0 kBtu/h, 14.0 SEER				Water Heating: Conventional, Gas, 0.55 EF.		Water Heating: Conventional, Gas, 0.58 EF.			Programmable Thermostat:	Heat=No; Cool=No		Heat=Yes; Cool=Yes			Ducts:	R-4.2 Attic, exposed		R-6.0 Attic, exposed			Duct Leakage:	432.00 CFM @ 50 Pascals		69.00 CFM @ 50 Pascals			Lights/Appliances:	Defaults				
ENERGY FEATURES																																																																																																																																			
Ceiling w/Attic:	R-15" U=0.078		R-19 U=0.06																																																																																																																																
Vaulted Ceiling:	None		R-13 brick*** U=0.081																																																																																																																																
Above Grade Walls:	uninsulated brick" U=0.235																																																																																																																																		
Foundation Walls (Cond):	None																																																																																																																																		
Found. Walls (Uncond):	None																																																																																																																																		
Doors:	1-3/4 Wd solid core U=0.329		Steel-polyurethane U=0.283																																																																																																																																
Windows:	Single - Metal U=1.310		49u .62shg*** U=0.490																																																																																																																																
Frame Floors:	None																																																																																																																																		
Slab Floors:	Uninsulated U=0.365																																																																																																																																		
Infiltration:	Htg: 3001 Cfg: 3001 CFM50		Htg: 1987 Cfg: 1987 CFM50																																																																																																																																
Infil. Measure:	Blower door test																																																																																																																																		
Mechanical Ventilation:	None																																																																																																																																		
Interior Mass:	None																																																																																																																																		
Mech Equip List:	Heating: Fuel-fired air distribution, 64.0 kBtu/h, 78.0 AFUE.		Heating: Fuel-fired air distribution, 64.0 kBtu/h, 80.0 AFUE.																																																																																																																																
	Cooling: Air conditioner, 42.0 kBtu/h, 8.1 SEER		Cooling: Air conditioner, 36.0 kBtu/h, 14.0 SEER																																																																																																																																
	Water Heating: Conventional, Gas, 0.55 EF.		Water Heating: Conventional, Gas, 0.58 EF.																																																																																																																																
Programmable Thermostat:	Heat=No; Cool=No		Heat=Yes; Cool=Yes																																																																																																																																
Ducts:	R-4.2 Attic, exposed		R-6.0 Attic, exposed																																																																																																																																
Duct Leakage:	432.00 CFM @ 50 Pascals		69.00 CFM @ 50 Pascals																																																																																																																																
Lights/Appliances:	Defaults																																																																																																																																		

REMRate - Residential Energy Analysis and Rating Software v12.7

This information does not constitute any warranty of energy cost or savings.  
© 1985-2009 Architectural Energy Corporation, Boulder, Colorado.

# ***HERO Program*** (Final Documentation)

***Final Rating:***

***Energy Cost & Feature Report p. 2***

***Louisiana Department of Natural Resources***



***Home Energy Rebate C***

ENERGY COST AND FEATURE REPORT	
<b>[REDACTED]</b>	
Page 2	
Active Solar:	None
Photovoltaics:	None
Sunspace:	No
Notes: Where feature level varies in home, the dominant value is shown. Only changed features are shown for Bldg 2.	
DRAFT	
REMRate - Residential Energy Analysis and Rating Software v12.7	



Home Energy Rebate Option

Final Rating:

Certificate of  
Completion

# HERO Program (Final Documentation)

## Certificate of Completion

(Note: This form 701 should be executed by the Energy Rated Homes of Louisiana Certified Energy Rater, the Home Owner and the Contractor and should be submitted to the Mortgage Lender prior to the release of escrowed funds for completion of improvements to the home.)

The undersigned Home Owner has retained ABC Heat & Cool, LLC (the "Contractor") to complete certain recommended improvements as set forth in the Home Energy Rating Certificate issued by Energy Rated Homes of Louisiana Certified Energy Rater Joe Rater (the "Certified Energy Rater"). The undersigned Home Owner, Contractor and Certified Energy Rater hereby certify that they have inspected the property at

123 Any Street  
Baton Rouge, LA 71111  
and that the improvements to the property have been completed in accordance with the requirements of the Energy Rated Homes of Louisiana Program. The undersigned understand that this certification will be relied upon by the Mortgage Lender to release monies currently held in escrow pending completion of said improvements.

HOME OWNER:

John Doe

CONTRACTOR:

By: ABC Heat & Cool, LLC

Title: Sales Representative

CERTIFIED ENERGY RATER:

Joe Rater

Rater Certificate No. ERHL #2007-100



# HERO Program (Final Documentation)

**Final Rating:**

**Installed Improvement  
Receipts**

*Louisiana Department of Natural Resources*



**Home Energy Rebate Option**

Energy R-value Insulators

Receipt Date:  
Store ID:  
Store Ref:  
Our Ref:

**ITEM**  
2 inches Cellulose  
Installation in c  
Miscellaneous

Tax

**Total:**

Energy R-value Insulators

Pella Windows

Dealer: FISHER WHOLESAL  
Address: 3351 WEST NEW HAV  
City: New Orleans, State  
Sold To: John Doe  
Address: 123 Any Street  
City: Baton Rouge, State

9 - Pella Dbl Pane .49 u-factor/.62 sh  
Tax

**TOTAL**

**Total:**

ABC Heat & Air, LLC  
1111  
Baton Rouge, LA 71227  
225-2

FIRST IN

Customer's  
Order No: CO#45789  
Name: John Doe  
Address: 123 Any Street  
City: Baton Rouge, LA

QUANTITY	DESCRIPTION	UNIT PRICE	TOTAL PRICE
1	80 cfue gas f		
1	14 SEER Air Co		
1	TAX		

Make: Trane  
Model # 1J23  
Serial # K137

REC'D BY: SIGNATURE

Home Depot  
1111 Coursey Blvd  
Baton Rouge, LA 71227  
225-777-7777

Customer's  
Order No: SO#45789 Date Sep. 30, 20 09  
Name: John Doe  
Address: 123 Any Street  
City: Baton Rouge, LA Zip: 71111

QUANTITY	DESCRIPTION	UNIT PRICE	TOTAL PRICE
1	58 of water heater	\$225	\$225.00
1	TAX	\$31	\$31.00
SALES TAX			
TOTAL			\$256.00

REC'D BY: SIGNATURE



# HERO Program (Final Documentation)

**Final Rating:**

**HERO Cover Sheet**

Louisiana Department of Natural Resources



**Home Energy Rebate Option**

HERO Cover Sheet	To: <u>unshar@dnr.state.la.us</u>	Enter Name: <u>Joe Rafter</u>	Enter SSN/VEN# : <u>123-45-6789</u>	Enter Ph. # : <u>(123) 456-7890</u>																																																												
If this Rating is a <b>PRELIMINARY</b> = <u>      </u> New Home <u>      </u> Existing Home <u>      </u> Preliminary Score <u>      </u> Preliminary Date <u>      </u> Provide Scan of a Signed Tax Letter with ALL PRELIMINARIES <input type="checkbox"/>																																																																
If this Rating is a <b>PENAL</b> = <u>      </u> New Home <u>      </u> Existing Home <u>X</u> Preliminary Score <u>152</u> Preliminary Date <u>8/31/09</u> Provide Scan of a Dated Check/Paid Receipt with ALL New Home PENAL <input type="checkbox"/> <u>86</u> Final Score <u>9/20/09</u> Final Date <u>      </u>																																																																
Home Owner: <u>John Doe</u> Home Owner SSN/VEN# : <u>456-78-9012</u> Home Owner Ph.# : <u>(456) 789-0123</u>																																																																
Rated Address: <u>123 Any Street 71111</u> (Rating Property Address) (Street) (Zip) <u>Baker Rouge East Baker Rouge</u> (City) (Parish)		Mailing Address: <u>P.O. Box 9209 71111</u> (For Check from W9) (Street) (Zip) <u>Baker Rouge East Baker Rouge</u> (City) (Parish)																																																														
Utility Provider: <u>Entergy</u> Serv. # on Meter: <u>7899241</u> Rating Software: <u>REMRate</u> <u>12.7</u> (Utility Company Name) (Serv. # on Meter) (Software Name) (Version)																																																																
Software Building File: <u>JDOE123AMST-B</u> Final <u>JDOE123AMST-F</u> (Bldg. File name) (Bldg. File name) (Bldg. File name) (Bldg. File name)																																																																
Scanned Documents (for New and Existing Homes): Form W9: <u>      </u> Form 1129: <u>      </u> Encl. Scan: <u>      </u> Encl. Cost & F.: <u>      </u> Receipt: <u>      </u> Cert. of Comp.: <u>      </u>																																																																
<b>NEW</b> Min. Score of E3 on Final Encl. E3 Form: = 0 30% of E3P: <u>2</u> Unadjusted Rebate = 0 Adjustment = <u>1</u> Adjusted E3P0 Rebate = 0		<b>EXISTING</b> Min. 30% increase on Final Encl. E3 Form: = 0 Cost of Improvements = 0 Lesser of the above = 0 30% of E3P or Cost: <u>2</u> Unadjusted Rebate = 0 Adjustment = <u>1</u> Adjusted E3P0 Rebate = 0																																																														
		<b>NEW</b> - Must E3 min. equipment requirement and Inspect for all 4 Mandatory Requirements (1-4 only) <b>EXISTING</b> - If replacing AC - Must meet E3 min. HVAC requirements and Inspect for all 4 Mandatory Requirements (1-4 only) Voluntary Items (1-12) each item carries a weighted Upgrade Point value - see p.2 of Cover Sheet																																																														
		<table border="1"> <thead> <tr> <th colspan="2">Mandatory Requirements</th> <th>TOTAL</th> <th>ADJ.</th> </tr> </thead> <tbody> <tr> <td>Material</td> <td>Not Met</td> <td>0 =</td> <td>X 0.50</td> </tr> <tr> <td>(1) Duct Request</td> <td>=</td> <td>1 =</td> <td>X 0.50</td> </tr> <tr> <td>(2) Chiller Request</td> <td>=</td> <td>2 =</td> <td>X 0.67</td> </tr> <tr> <td>(3) Knee Wall Request</td> <td>=</td> <td>3 =</td> <td>X 0.75</td> </tr> <tr> <td>(4) Air Flow Opening Req.</td> <td>=</td> <td>4 =</td> <td>X 0.83</td> </tr> <tr> <td>(5) Access Light Request</td> <td>=</td> <td>5 =</td> <td>X 0.92</td> </tr> <tr> <td>(6) Air Access Request</td> <td>=</td> <td>6 =</td> <td>X 1.00</td> </tr> <tr> <td>(7) Added Air Seal</td> <td>=</td> <td>7 =</td> <td></td> </tr> <tr> <td>(8) Added Wall Seal</td> <td>=</td> <td>8 =</td> <td></td> </tr> <tr> <td>(9) Air Flow Req. Item 10</td> <td>=</td> <td>9 =</td> <td></td> </tr> <tr> <td>(10) SPW E3P0 Item 11</td> <td>=</td> <td>10 =</td> <td></td> </tr> <tr> <td>(11) Window Upgrade</td> <td>=</td> <td>11 =</td> <td></td> </tr> <tr> <td>(12) Upgrade Package</td> <td>=</td> <td>12 =</td> <td></td> </tr> <tr> <td colspan="2"><b>TOTAL</b></td> <td><b>13</b></td> <td></td> </tr> </tbody> </table>			Mandatory Requirements		TOTAL	ADJ.	Material	Not Met	0 =	X 0.50	(1) Duct Request	=	1 =	X 0.50	(2) Chiller Request	=	2 =	X 0.67	(3) Knee Wall Request	=	3 =	X 0.75	(4) Air Flow Opening Req.	=	4 =	X 0.83	(5) Access Light Request	=	5 =	X 0.92	(6) Air Access Request	=	6 =	X 1.00	(7) Added Air Seal	=	7 =		(8) Added Wall Seal	=	8 =		(9) Air Flow Req. Item 10	=	9 =		(10) SPW E3P0 Item 11	=	10 =		(11) Window Upgrade	=	11 =		(12) Upgrade Package	=	12 =		<b>TOTAL</b>		<b>13</b>	
Mandatory Requirements		TOTAL	ADJ.																																																													
Material	Not Met	0 =	X 0.50																																																													
(1) Duct Request	=	1 =	X 0.50																																																													
(2) Chiller Request	=	2 =	X 0.67																																																													
(3) Knee Wall Request	=	3 =	X 0.75																																																													
(4) Air Flow Opening Req.	=	4 =	X 0.83																																																													
(5) Access Light Request	=	5 =	X 0.92																																																													
(6) Air Access Request	=	6 =	X 1.00																																																													
(7) Added Air Seal	=	7 =																																																														
(8) Added Wall Seal	=	8 =																																																														
(9) Air Flow Req. Item 10	=	9 =																																																														
(10) SPW E3P0 Item 11	=	10 =																																																														
(11) Window Upgrade	=	11 =																																																														
(12) Upgrade Package	=	12 =																																																														
<b>TOTAL</b>		<b>13</b>																																																														

# ***HERO Program*** *(Final Documentation)*

## ***Final Rating HERO Submittal:***

- ☼ ***Completed Final HERO Cover Sheet***
- ☼ ***Completed Final Form 1119 – Signed and Dated by Homeowner***
- ☼ ***Economic Summary Comparison of Home AS IS to Home WITH MODELED IMPROVEMENTS***
- ☼ ***Energy Cost & Feature Report with SAME Comparison as ES***
- ☼ ***Completed Certificate of Completion***
- ☼ ***Copy of Receipts that apply toward Efficiency Improvements***
- ☼ ***REMRate Building Files***
  - ***Home as rated = JDoe123AnyStreet-Base***
  - ***Home as modeled w/improvements = JDoe123AnyStreet-Final***



***Home Energy Rebate Option***